Model Tests from The School Book

Model Test

Choose the correct answer from those between brackets:

1) 7 - 5 N.

 $(\in,\notin,\subset \mathsf{or}\, \mathsf{c})$

2) The set of even numbers (E) ∩ the set of prime numbers (P) = (P, N, ⊙ or {2})

4) (93 + 7) - (7 + 93) = (0 · 10 · 100 or 1 000)

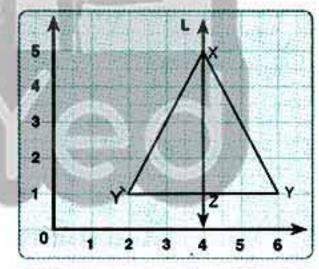
5) The perimeter of an equilateral triangle whose side length ℓ cm =

(l+3.3l.6+l or 6l)

6) If the area of a triangle is 20 cm2 and its height is 5 cm, then the length of the corresponding base = cm. (4 , 8 , 16 or 64)

7) The circumference of circle whose radius length is $4 \text{ cm} = \pi \times \dots \text{ cm.}$ (4 · 8 · 16 or 10)

8) In the opposite figure: the triangle XYZ is transformed to the triangle XYZ, so this transformation is called (reflection , rotation , translation or otherwise)



(2 · 4 · 3 or 5) 9) $(4 \times 31) \times 25 = (31 \times \dots) \times 25$.

10) The area of the rhombus whose diagonals are 12 and 16 cm = cm²

(69 · 96 · 56 or 192)

11) The length of AB = units of length. (2 · 4 · 5 or 6)

12) The area of the square of the diagonal length is 10 cm = cm2 (25 · 50 · 100 or 400)

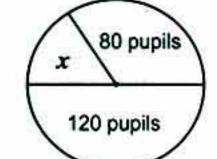
GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة

Final Exams

13) In the opposite bie chart:

x represents pupils.



(40 · 80 · 120 or 240)

14) The following table represents the marks of 40 pupils in an exam:

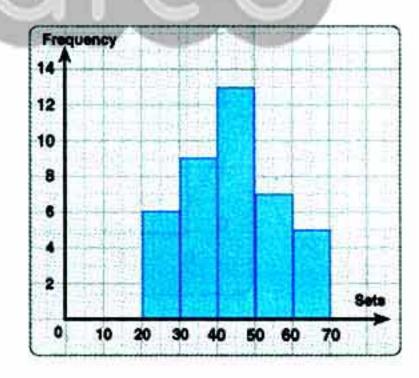
| Sets | 10- | 20- | 30- | Total |
|-----------|-----|-----|-----|-------|
| Frequency | 10 | 12 | 18 | 40 |

Then the number of pupils who got 30 marks or more = pupils.

(18 · 44 · 40 or 80)

2 Complete each of the following:

- 15) 13, 16, 19, (in the same pattern)
- 16) The symbolic expression for "a number x is multiplied by 5" is
- 17) The set of natural numbers which are less than 2 is
- 18) The area of the square whose diagonal length 6 cm = cm².
- 19) If point A lies on the axis of reflection (L) then its image by reflection across (L) is
- 20) The radius length of a circle whose circumference is 88 cm = cm.
- 21) The opposite figure shows the marks of 40 pupils in one exam, the number of pupils who got less than 40 marks is



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Worksheets & Exams

3 Find the result of each of the following:

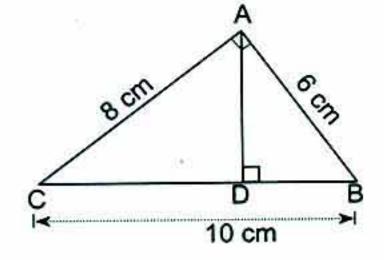
- 23) Two numbers their sum is 35 if one of them is x, then find the other number.
- 24) By using the properties of addition operation in N find the result of:

$$53 + 67 + 47$$

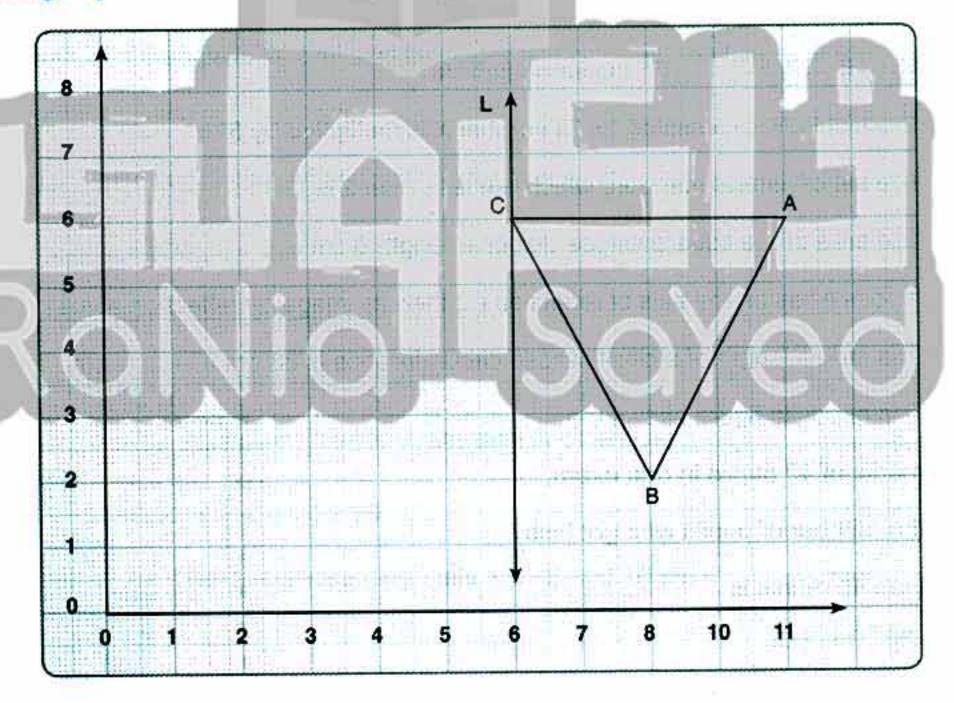
25) In the opposite figure:

ABC is a right-angled triangle at A,

AD \(\overline{AD} \) BC. Calculate the length of \(\overline{AD} \).



26) In the following coordinates plane, if L is the axis of reflection of △ ABC then draw its image by reflection in L.



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم



Model Test

1 Choose the correct answer from those between brackets:

- 2) The even number $\square \cap$ the odd numbers $\square = \dots (0 \cdot 2 \cdot 1 \text{ or } \emptyset)$
- 3) A circle if its diameter length is 28 cm ($\pi \simeq \frac{22}{7}$) then its circumference = cm

(22 · 44 · 88 or 56)

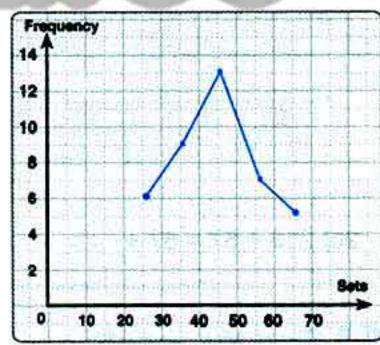
- 5) If $86 \times 15 = 86 \times y + 86 \times 10$ then $y = \dots$ (10 · 5 · 15 or 20)
- 7) The area of the square whose diagonal length is 8 cm = cm² (16 · 32 · 64 or 128)
- 8) The area of the rhombus whose diagonal lengths are 6 cm and 8 cm = cm²
 (12 · 24 · 48 or 96)

| Subject | Arabic | Maths | Science |
|-----------------------|--------|--------------|---------|
| No. of studying hours | 3 | 2 | 1 |
| | | | |
| Science Maths Mat | ths | cience Maths | |
| Science | —) (° | CHOIRCO | Maths A |
| Arabic Aral | bic / | Arabic | Science |
| | | | or (4) |
| | | | |

10) The opposite frequency polygon represents the marks of 40 pupils in an exam.

The centre of the set 40 - is

(14 · 40 · 45 or 50)



11) The area of the triangle whose base length is 12 cm and height is 5 cm = cm².

(30 · 60 · 17 or 34)

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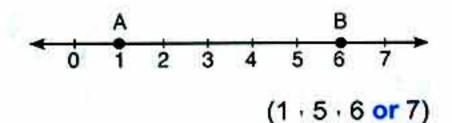


هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

Worksheets & Exams

12) From the opposite number line:

The length of $\overline{AB} = \dots unit(s)$ of length.



13) The square whose perimeter is 32 cm.

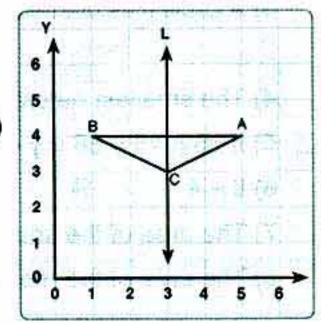
Its area = cm².

(1024 · 64 · 23 or 821)

14) In the opposite coordinates plane:

The image of point A by reflection in L is

((1, 4) · (4, 1) · (3, 3) or (4, 51))



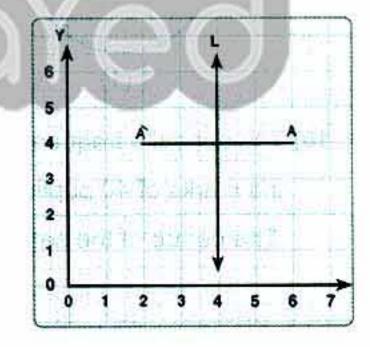
2 Complete the following:

- 15) If x is an odd number, then x + 1 is number.
- 16) In the opposite number line: If m, n are two natural numbers then -------



- 17) If we add 3 to the number x, then the result is
- 18) The area of a rhombus in which the side length is 10 cm and height is 9.6 cm = ---- cm².
- 19) In the opposite figure:

L is called of the line segment AA



20) 213 + 57 = 57 +

3 Find the result:

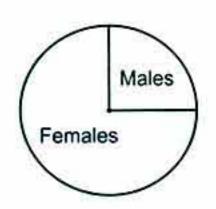
21) If 2x = 4, then $4x = \dots$

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

Final Exams

22) 200 candidates have applied for a test to hire male and female anchor persons in television. If the opposite pie graph represents that, then what is the number of female candidates who applied for that test?



23) Use the distribution property to find:

The number of females =

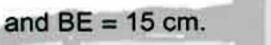
$$45 \times (10 + 2)$$

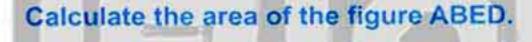
24) Find the solution set of the equation:

$$x - 7 = 33$$
 (where $x \in \mathbb{N}$)

25) in the opposite figure:

ABCD is a square its side length is 10 cm , E ∈ BC

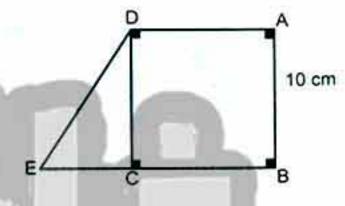


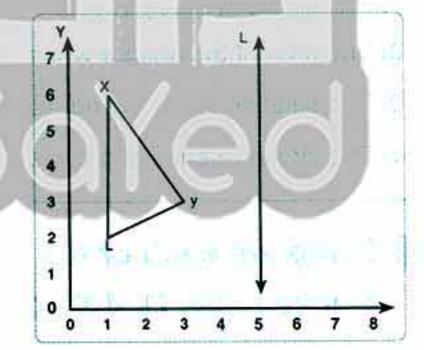


26) In the opposite coordinates plane,

if L is the axis of reflection for

the figure XYZ then find its image by
reflection in L.





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Model >> 3

for students with special needs

Choose the correct answer:

1) The smallest natural number is

(0 · 1 or 2)

2) If $7 \times 15 = x \times 15$, then $x = \dots$

(7.8 or 9)

- 3) If we multiply the number (x) by 5, then we shall get the number $(x \div 5, 5x \text{ or } x 5)$
- 4) The set of numbers which represents the set of points on the number line is (odd, even or prime)

- $(\in, \notin, \subset \mathsf{or} \, \mathsf{d})$
- 6) The following table shows the recorded temperatures in 40 cities on a day:

| Temperatures | 20- | 22- | 24- | 26- | 28- | Total |
|------------------|-----|-----|-----|-----|-----|-------|
| Number of cities | 7 | 9 | 11 | 8 | 5 | 40 |

The number of cities with temperatures less than 24 degree Celsius = cities.

(11 · 16 or 27)

7) 5075 5705

 $(> \cdot < or =)$

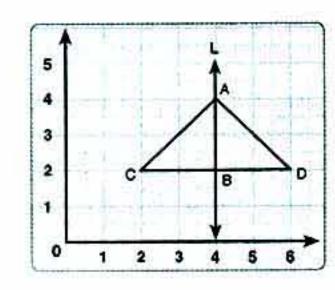
- 8) The area of the square whose diagonal length is 6 cm = cm²
- (12,18 or81)

9) The solution set of the equation x - 5 = 19

- ({14} , {24} or {5})

2 Complete each of the following by using the answers between the brackets (24, D, 4 x , C, commutative):

- 1) A rhombus of diagonal lengths 6 cm and 8 cm, its area = cm².
- 2) The perimeter of a square of side length x cm = cm.
- 3) On the opposite coordinate plane the image of the point C by reflection in the straight line L is



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى

Final Exams

- 4) The set of natural number N ∩ the set of counting number C =
- 5) 327 × 8 = 8 × 327 (..... property)

3 Join from column (A) to the suitable from the column (B):

| | A | В |
|---|---|------------------------------|
| 1 | If $x + 3 = 8$ then $x = \dots$ | •∈ |
| 2 | (24 + 6) № • | • the length of the diagonal |
| 3 | The circumference of a circle = π × ········• | • 5 |
| 4 | The area of the following parallelogram | • 50 |
| 0 | 5 cm = cm ² • | |
| 5 | 8, 16 , 24 , (in the same pattern) • | • 32 |

RaNiaLSaYed

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة المعلقة على المعلقة على المواقع أ

Cairo Governorate – Maadi Educational Directorate

1 Choose the correct answer:

| 1) The expression of: x subtracted from 7 is | (x-7 or 7-x or x+7 or 7x) |
|--|---------------------------------|
|--|---------------------------------|

(commutative or associative or distribution or additive identity)

my

8) If the sum of two numbers
$$x$$
 and y is 10, then $y = \dots$

$$(\frac{10}{x} \text{ or } 10 + x \text{ or } 10 - x \text{ or } 10 x)$$

9)
$$\frac{7}{4-4}$$
 \mathbb{N} . $(\in \text{ or } \not\subset \text{ or } \not\subset)$

13)
$$3 \text{ dm}^2 = \dots \text{cm}^2$$
. (30 or 3000 or 3 or 300)

2 Complete the following:

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

- 20) If X = {4,5,6}, Y = {4,2,3}, then X U Y =
- 21) The set of even number less than 10 is
- 3 a) Solve the equation: 3x + 8 = 14
 - b) Find the area of a triangle whose base length is 6 cm and its height is 4 cm.
- A circle whose radius length is 21 cm, find its circumference. $(\pi = \frac{22}{7})$
- 5 a) Use the distributive property to find the value: $25 \times 8 + 25 \times 2$
 - b) Represent the following data frequency polygon:

| Sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 8 | 10 | 16 | 6 | 40 |



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

2 Cairo Governorate – Nasr City Educational Zone – Alsun Modern School

1 Choose the correct answer:

- - $(\{0,1,2,3,4\} \text{ or } \varnothing \text{ or } \{5\} \text{ or } \{1,2\})$ $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$
- 5) 2 y = 10, then the value of y is (5 or 6 or 8 or 14)
- 6) The area of the triangle whose base length is 5 cm and height is 8 cm = cm².
 (20 or 40 or 30 or 15)
- 7) The isosceles triangle has line(s) of symmetry. (1 or 2 or 3 or 4)

- 10) 213 + 57 = 57 + 213 is called property.
 - (commutative or associative or closure or additive identity)
- 11) The area of square with side length 10 cm = cm². (200 or 30 or 100 or 400)
- - (22 or 11 or 8 or 7)

my

- 13) The height of a parallelogram with base length = 6 cm and area = 30 cm2 = cm.
 - (3 or 4 or 5 or 8)
- 14) The perimeter of the equilateral triangle whose side length = L cm iscm.
 - $(L + 3 \text{ or } \frac{1}{3} L \text{ or } L 3 \text{ or } 3 L)$

2 Complete the following:

- 16) The square has axes of symmetry.
- 17) 2 , 7 , 12 , 17 , (in the same pattern)
- 58 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة



- 18) If the area of rhombus is 50 cm² and the length of one of its diagonal is 25 c, then the length of the other diagonal = cm.
- 19) E U O =
- **20)** x + 5 = 8, then $x = \dots$.
- **21)** $15 \times 5 + 15 \times 7 = 15 \times (-----+ -------)$
- 22) If the age of Dina now is x years, then:

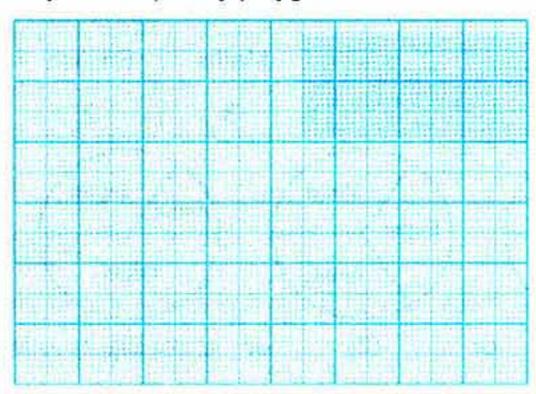
 - b) The age of Dina 5 years ago =

3 Find the result of:

- 23) Use the properties of the operation to find:
 - a) $4 \times 19 \times 25$
 - **b)** 64 + 81 + 36 + 19
- 24) Solve the equation: x 5 = 2
- 25) Draw the triangle ABC in which A = (2,5), B (5,5), C = (5,2), then find the length of AB.
- 26) If X = {1,2,3,4} and Y = {4,5,6}. Find: X N Y, X U Y, X Y
- 4 The following table shows the marks of students in maths exam:

| Sets | 10- | 20- | 30- | 40- |
|-----------|-----|-----|-----|-----|
| Frequency | 7 | 12 | 10 | 9 |

Represent these data by the frequency polygon.



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Cairo Governorate - Abdeen Zone - Mohamed Farid O.L.S.

Choose the correct answer:

 $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$

(100 or 65 or 35 or 30)

2) The smallest even natural number is

(4 or 2 or 1 or 0)

3) $27 \times 100 = 27 \times 65 + 27 \times a$, then $a = \dots$.

(3 or 4 or 5 or 6)

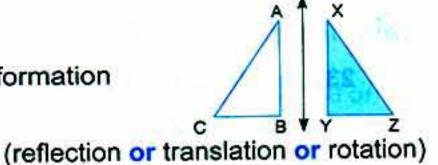
4) If x - 2 = 3, $x \in \mathbb{N}$ then x =

 $(y + 2 \text{ or } 2 \text{ y or } y - 2 \text{ or } \frac{y}{2})$

6) In the opposite figure:

Δ ABC is transformed into Δ XYZ, then this transformation

is



7) In the opposite figure:

The length of AB = length units.

(10 x or x - 10 or 10 - x or x + 10)

9) If the base length of a triangle is 6 cm, the corresponding heigth is 5 cm, then its area (30 or 15 or 10 or 6)

= cm².

(2 or 4 or 8 or 16)

10) The circumference of a circle of radius 4 cm = × π The area of the rhombus whose diagonal lengths are 6 cm and 10 cm = cm².

(12 or 15 or 30 or 60)

12) The area of the square whose diagonal lengths are 6 cm and 10 cm = cm².

(36 or 24 or 18 or 12)

| Subject | Maths | English | Arabic |
|------------------------------|-------|---------------------|-------------|
| No. of studying hours | 3 | 2 | 1 |
| English Arabic English Maths | Arat | English Dic English | Maths Arabi |
| Maths | | Maths | English |

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بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أ

14) The following table shows the marks of 40 pupils in one test.

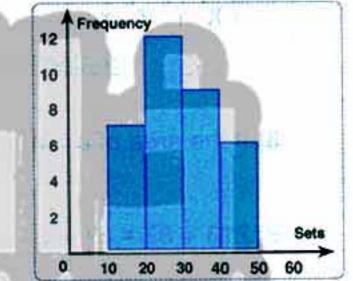
| Sets | 10- | 20- | 30- | Sum |
|-----------|-----|-----|-----|-----|
| Frequency | 12 | 10 | 18 | 40 |

The number of pupils who got 20 marks or more = pupils. (10 or 18 or 28 or 40)

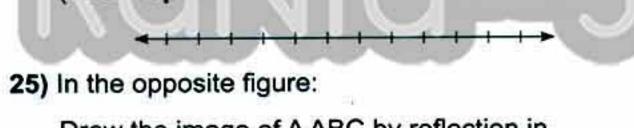
2 Complete the following:

- 15) The set of even number ☐ ∩ the set of odd number ◎ =
- 16) The additive identity element in is №
- 17) If x + 3 = 5, $x \in \mathbb{N}$, then $x = \dots$
- 18) The set of nature number(s) less than 2 =
- 19) The number of symmetry axes of square =
- 20) If the point A lies on the axis of reflection L, then its image by reflection in L is
- 21) The area of the square whose perimeter is 16 cm = cm²
- 22) The opposite figure shows the marks of 34 pupils in one test.

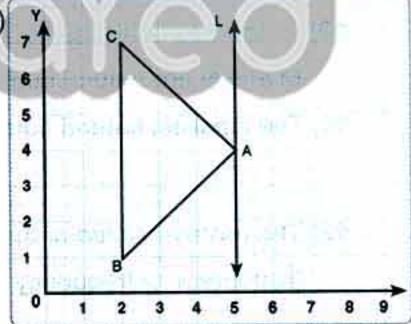
The number of pupils who got less than 30 marks = pupils.



- 23) Use the properties of addition in № to find the result 33 + 76 + 67
- 24) If $X = \{x : x \in \mathbb{N}, x \ge 3\}$, then $X = \dots$ (Then represent its elements on the number line)

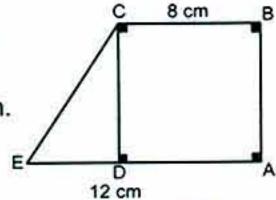


Draw the image of Δ ABC by reflection in the straight line L



26) In the opposite figure:

ABCD is a square of side length is 8 cm, $E \in \overrightarrow{AD}$, AE = 12 cm. Find the area of the shape ABCE.



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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

Giza Governorate - El Haram Directorate - Fadl Language School

Choose the correct answer:

- $(3 \times 0 \times x + 3 \times 2 \times 0 \times 2 \times x + 3)$
- 2) The circumference of a circle of a radius 4 cm = cm. $(4 \pi \text{ or } 8 \pi \text{ or } 10 \pi \text{ or } 16 \pi)$
- 3) The area of the square whose diagonal is 6 cm = cm². (24 or 36 or 6 or 18)
- (∈ or ∉ or ⊂ or ⊄)
- 5) A rhombus of diagonal lengths 6 cm and 8 cm, its area = cm².

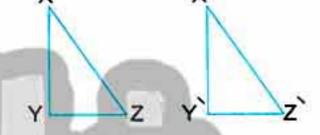
(24 or 48 or 14 or 6)

my

(L+3 or 3 L or L+6 or 4)

7) In the opposite figure: A XYZ is transformed to

(reflection or translation or rotation or otherwise)



8) If the area of a triangle is 20 cm² and its base length is 8 cm, then its height = cm².

(80 or 40 or 20 or 5)

9) 213 + 87 = 87 + 213. (..... property)

(associative or commutative or closure or otherwise)

10) In the opposite figure:

M and N are natural numbers, then (M < N or M > N or M = N or otherwise)

(0 or 1 or 2 or 3)

12) The representation of these data is called (histogram or frequency or bar graphs or otherwise)

13) The set of even number (图) ∩ the set of odd number (◎) = ·············.

(E or O or Ø or N)

14) If the circumference of a circle = 44 cm , $\pi = \frac{22}{7}$, then its radius =cm.

(7 or 14 or 21 or 28)

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

5 cm

-10 cm

Examinations from Different Governorates 2018

2 Complete:

- 15) If x + 5 = 7, then x = ...
- 16) The area of the opposite figure = cm².
- 17) (4 × 31) × 25 = (31 ×) × 25
- 18) Number of axes of symmetry of the square is
- 20) The following table recorded the temperature in 40 cities on a day:

| Temp. | 20- | 22- | 24- | 26- | 28- | Total |
|---------------|-----|-----|-----|-----|-----|-------|
| No. of cities | 7 | 9 | 11 | 8 | 5 | 40 |

The number of cities with temperatures less than 24 degrees Celsius is cities.

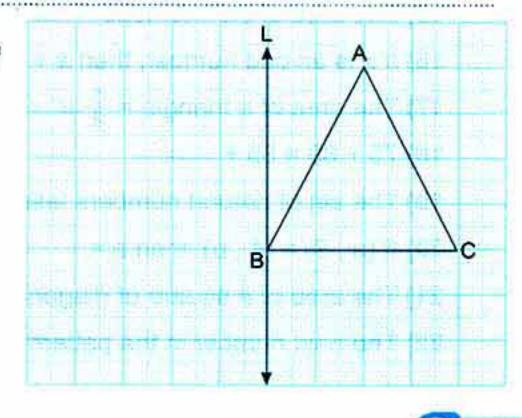
- 21) If x is an odd number, then (x + 2) is all an number.
- 22) 5, 10, 15, (in the same pattern)

3 Answer the following questions:

- 23) By using the properties of the operations in N, Find the result of: 8 × 117 × 125.
- 24) Solve the equation in N:

$$2x - 3 = 5$$

- 25) A circle of diameter 14 cm, find its circumference. $(\pi = \frac{22}{7})$
- 26) If L is the axis of reflection, draw the image of \(\Delta \) ABC by reflection in L.



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مذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلومة





5

Giza Governorate - Maths Supervision

1 Choose the correct answer:

| 1) The circumference of a circle = (π r or : | πr or 3 πr or 4 πr | 7) |
|--|--------------------|----|
|--|--------------------|----|

6) If
$$4x = 20$$
, then $x = \dots$ (4 or 5 or 10 or 16)

8) If
$$x + 2 = 8$$
, then $x = \dots$ (6 or 10 or 4 or 16)

(m)

(0 or 1 or 2 or 3)

2 Complete:

64

GEM / MATH / Primary 5

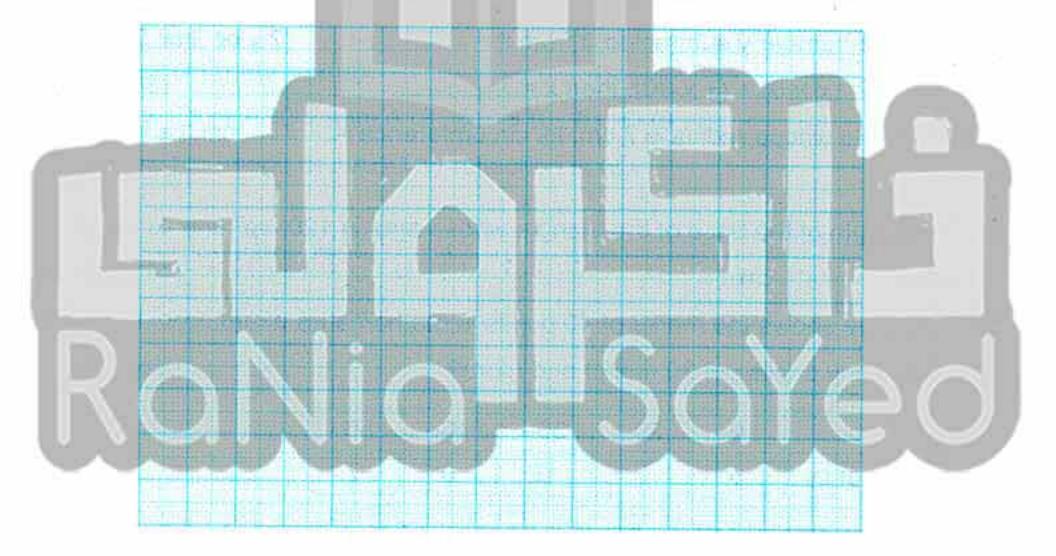
هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم



3 Answer the following questions:

- 23) Solve the equation: x + 7 = 15
- 24) Use the properties of addition to find: 20 + 55 + 80 + 45
- 25) Find the circumference of a circle with radius length 14 cm. (Where $\pi = \frac{22}{7}$)
- 26) Use the following table to draw a histogram:

| Sets | 10- | 20- | 30- | 40- |
|-----------|-----|-----|-----|-----|
| Frequency | 4 | 5 | 6 | 5 |



GEM / MATH / Primary 5

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم





الصف الخامس الابتدائي

6 Alex. Governorate – El Montazah Zone – Maths Supervision

1 Choose the correct answer:

(x-21 or 21-x or x+21)

- 2) The area of the square whose diagonal length is 10 cm = cm². (100 or 20 or 50)
- 3) The number of axes of symmetry of rhombus is (zero or 1 or 2 or 4)
- 4) If 2x + 7 = 15, then x = ... (3 or 4 or 6 or 5)
- 5) If x is an odd number, then x + 1 is an number. (even or odd or otherwise)
- 6) (4 × 31) × 25 = (31 ×) × 25 (4 or 2 or 3 or 5)
- 7) The circumference of circle of radius 5 cm = $\pi \times$ cm. (4 or 5 or 10 or 25)
- 8) Twice the number y subtracted 3 from it = (2 y or 3 or 2 y 3 or 3 2 y)
- 9) If $4 \times 35 = (x \times 5) + (x \times 30)$, then $x = \dots$ (30 or 5 or 14 or 4)

(3.5 or 7 or 22 or 44)

my

11) The length of the base of the triangle whose area is 120 cm² and its height is

5 cm = cm. (12 or 48 or 24 or 6)

12) The table shows the marks of 40 pupils in mathematics exam, from these data.

How many pupils got 30 marks and more?

(12 or 28 or 16 or 21)

| Sets | 10- | 20- | 30- | 40- | 50- |
|-----------|-----|-----|-----|-----|-----|
| Frequency | 5 | 7 | 12 | 9 | 7 |

13) The geometric transformation in the opposite figures is:

(translation or rotation or reflection)

(30 or 15 or 200 or 25)

2 Complete the following:

- 16) The additive neutral element in № is
- 17) If (2x, 3) = (8, 3), then $x = \dots$.
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- 18) If the diagonal length of a square is 6 cm, then its area = cm².
- 19) The scalene triangle has line(s) of symmetry.
- 21) The area of rhombus with diagonal lengths 8 cm and 6 cm = cm2.
- 22) The natural numbers less than 3 are
- 3 23) Use the commutative and associative property to find the result:

$$4 \times 17 \times 25$$

24) Solve the following equation:

$$3x - 5 = 10$$

(show the steps) (where $x \in \mathbb{N}$)

- 25) In the coordinate plane:
 - a) Draw figure ABC where A (3, 5), B (6, 5), C (3, 2)
 - B) Draw the image of \triangle ABC by reflection in AC.

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

7 Alex. Governorate – El Montazah Zone – Maaly Language School

1 Choose the correct answer:

- 1) The sum of 7 and twice the number $x = \dots (x-7 \text{ or } 7-2 x \text{ or } 2x+7 \text{ or } 7-x)$
- 2) The smallest natural number is (0 or 2 or 1)
- 3) If 213 + 87 = 87 + 213 is called property. (commutative or ascociative or closure)
- 5) The area of a square with side length 5 cm = (20 cm or 20 cm² or 25 cm or 25 cm²)

- - (L + 3 or 3L or 6 + L or 6L)

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- 9) {0} the set of counting numbers. (∈ or ∉ or ⊂ or ⊄)
- 10) If the lengths of the two right sides in the right-angled triangle are 6 cm and 8 cm, then its area = cm².
 (48 or 24 or 28)
- 11) The circle with radius 15 cm, then its circumference = π. (15 or 25 or 30 or 45)
- 13) The geometric transformation is called

(translation or relation or reflection)

14) The set of natural numbers less than 2 is ({0,1} or {0} or {0,1, 2} or {1, 2})

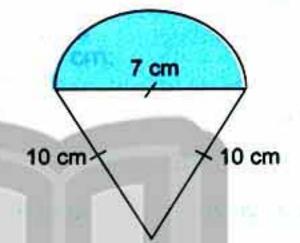
2 Complete the following:

- 15) The area of a rhombus whose diagonals are 6 cm and 8 cm = cm2.
- 17) If x is an odd number, then (x + 1) is number.
- 18) Circumference of circle + diameter =
- 19) From the opposite figure M N
- 21) The additive neutral element added to 99 =
- 22) 20, 17, 14, 11, (Complete in the same pattern.)
- 68 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

- 3 23) Draw Δ ABC if A (2, 2) B (6, 5), C (6, 9) and find its image by refection on BC.
 - 24) Find the S.S in N: 2x + 9 = 21
 - 25) Find the perimeter of the following figure:

 $\pi = \frac{22}{7}$



A Represent the following data by histogram:

| Sets | 10- | 20- | 30- | 40- | Sum |
|-----------|-----|-----|-----|-----|-----|
| Frequency | 10 | 12 | 18 | 10 | 50 |

GEM / MATH / Primary 5

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

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الصف الخامس الابتدائي

Worksheets & Exams

Qaluobia Governorate - Maths Supervision - Experimental Official L. Schools

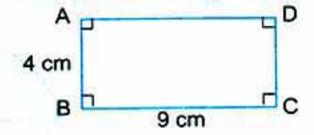
Choose the correct answer:

1) The smallest natural number is

(zero or 1 or 2 or 10)

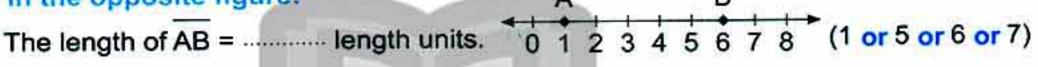
- (∈ or ∉ or ⊂ or ⊄)
- The area of square whose diagonal length 6 cm = cm².
- (12 or 18 or 81 or 36)

4) The area of the rectangle



(5 or 13 or 18 or 36)

5) In the opposite figure:

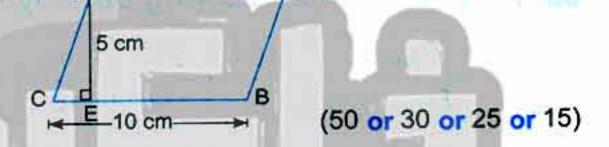


(4 or 8 or 16 or 10) (zero or 10 or 100 or 1000)

7) $(93 + 7) - (7 + 93) = \dots$

8) In the opposite figure:

The area of the parallelogram

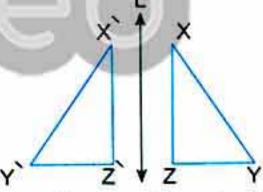


- 9) If we add 3 to the number x, we get
- 10) The area of a rhombus with diagonal lengths 6 cm and 8 cm = cm².

(24 or 14 or 34 or 44) (zero or 1 or 5 or is not possible)

12) In the opposite figure:

 Δ XYZ is transformed to Δ X Y Z, then this transformation is called



(reflection or translation or rotation or otherwise)

13) The following table shows the recorded temperatures in 40 cities in a day.

| Temp. | 20- | 22- | 24- | 26- | 28- | Total |
|---------------|-----|-----|-----|-----|-----|-------|
| No. of cities | 7 | 9 | 11 | 8 | 5 | 40 |

a) The number of cities with temperatures less than 24 degrees celsius cities.

(11 or 16 or 27 or 35)

(8 or 5 or 13 or 34)

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع

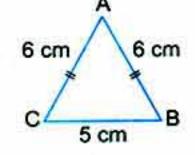




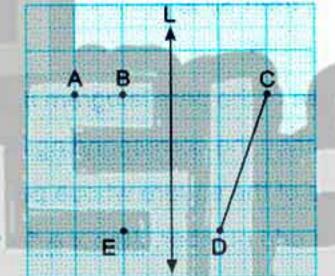
2 Complete the following:

- 14) a + zero = zero +
- 15) Complete in the same pattern:

16) In the opposite figure:



- 17) If $9 \times 13 = 13 \times y$, then $y = \dots$
- 18) The diagonals of a square are and and
- 19) The coloured sector in the figure represents of the circle.
- 20) The number of symmetry axes of an equilateral triangle =



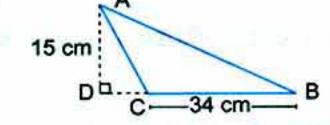
3 22) Use the distributive property to find:

45 × (10 + 2) =

23) Solve the following equation:

x + 3 = 12, where $(x \in N)$.

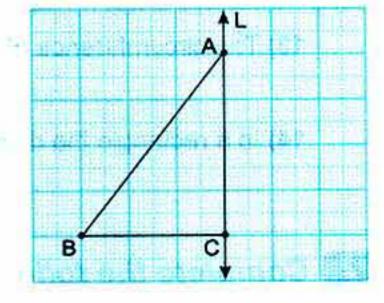
Find the area of \triangle ABC.



25) In the opposite figure:

24) In the opposite figure:

Draw the image of \triangle ABC by reflection across (L).



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

6) { 0 } ℕ.

9 Gharbia Governorate – Gharbia Educational Directorate - Maths Supervision

1 Choose the correct answer:

| 1) Œ ∩ ℙ = | ({0}or{1}or{2}or{2,3}) |
|------------|------------------------|
|------------|------------------------|

- 2) The number of lines of symmetry of square is (4 or 3 or 2 or 1)
- 4) The perimeter of the equilateral triangle whose length is $x \text{ cm} = \dots \text{ cm}$.

$$(x + 4 \text{ or } x \div 4 \text{ or } 3 x \text{ or } x - 4)$$

| Sets | 10- | 20- | 30- |
|-----------|------|---------|---------|
| Frequency | 5 | 7 | 9 |
| | (5 c | r 12 or | 9 or 12 |

- $(\in \text{or } \not\in \text{or } \subset \text{or } \not\subset)$
- 7) If the area of the parallelogram is 20 cm² and its base length is 5 cm, then the corresponding height = cm.

(4 or 5 or 8 or 10)

- 8) The area of the square whose perimeter is 32 cm = cm². (64 or 32 or 16 or 8)
- 9) If x is an odd number, then x + 1 is a/annumber. (odd or even or prime)
- 10) The type of the opposite transformation is a

(translation or reflection or rotation)

- 12) The area of the triangle whose base length is 5 cm and height is 8 cm = cm².

(40 or 13 or 20 or 10)

13) The circumference of the circle whose diameter is 14 cm = cm. $(\pi = \frac{22}{7})$

(11 or 44 or 88 or 22)

14) In a rectangle the diagonal divides it into two triangles.

(isosceles or congruent or equilateral)

2 Complete the following:

- 15) (5 × 52) × 17 = (52 × ······) × 5
- 16) The type of the opposite transformation is



- 17) The set of natural numbers less than 3 is
- 72 GEM / MATH / Primary 5

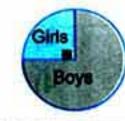
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلومة





الصف الخامس الابتدائي

- 18) The area of the rhombus whose side length is 10 cm and corresponding height 9.6 cm is ——— cm².
- 20) 13 , 16 , 19 (in the same pattern)
- 21) If we add 3 to double of number x we get

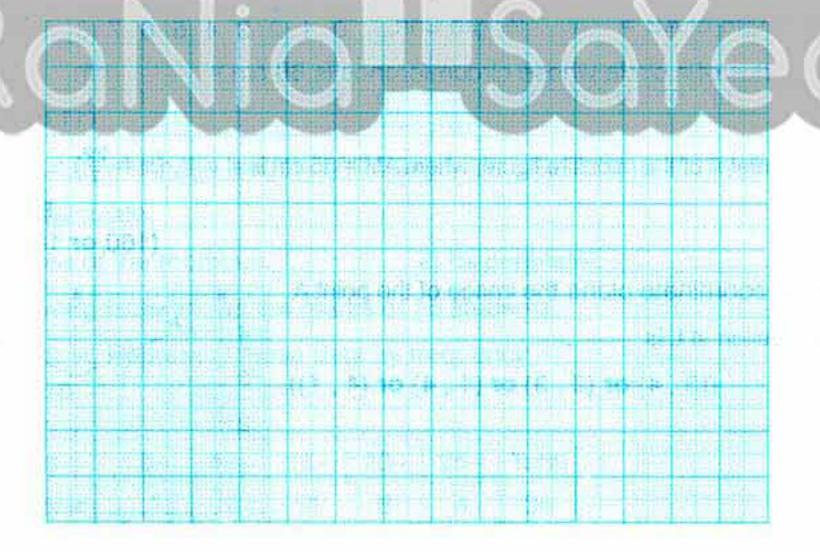


3 23) a) Use the properties to find:

b) Solve an equation:

$$2x + 9 = 21$$

- 24) Which is greater in area?
 - a) A rhombus in which the length of its diagonals are 8 cm and 6 cm or a square whose diagonal length is 8 cm.
 - b) In the coordinate plane draw the figure ABCD where A (2, 5), B (2, 2), C (5, 2), D (5, 5)



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود





Worksheets & Exams

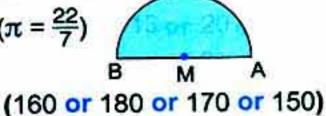
10 Dakahlia Governorate – Maths Supervision

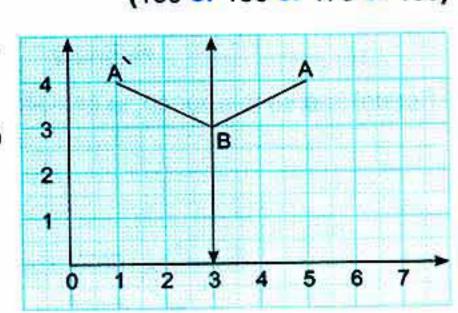
1 Complete each of the following:

- 1) The set of natural numbers less than 4 is
- 2) The multiplicative neutral element in № is
- 3) If 8 × 25 = 25 × a, then a =
- 5) The area of a square whose diagonal length is 6 cm = cm².

2 Choose the correct answer:

- $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$
- 9) (x-15)(x-14) where x is a natural number more than 17. $(> or < or \le or \ge)$
- 10) If 35 + (12 + x) = (35 + 12) + 19, then $x = \dots$ (35 or 12 or 19 or 47)
- 11) 1 , 4 , 9 , 16 , (in the same pattern) (23 or 24 or 25 or 36)
- 12) If we add 3 to the number x, we get (3+x or 3x or 2x+3 or 2x)
- 13) On the number line:
 - The length of AB = length unit. 0 1 2 3 4 5 6 7 8 (2 or 5 or 4 or 6)
- 14) The radius of a circle whose circumference is 88 cm = cm.
 - (11 or 13 or 14 or 22)
- 15) The perimeter of the opposite figure, where AM = 35 cm is = ($\pi = \frac{22}{7}$)





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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم



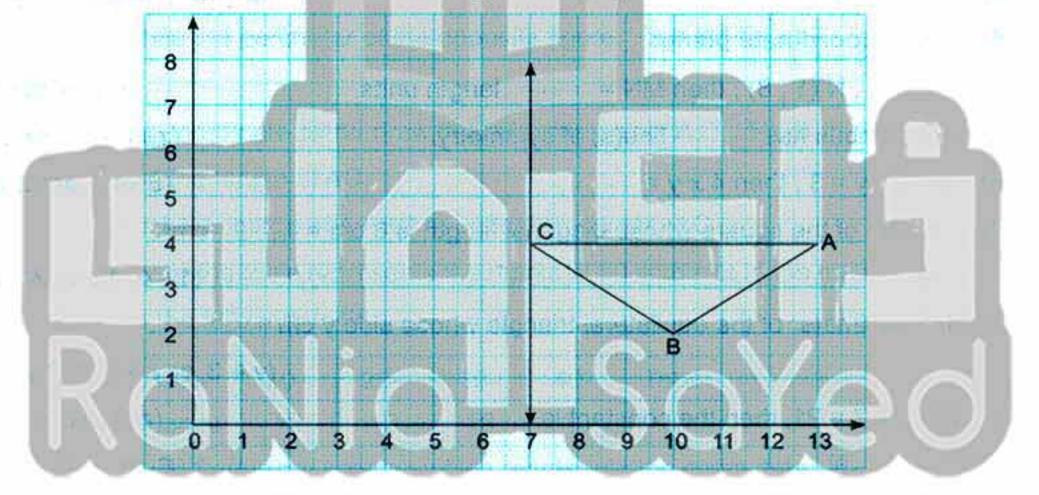
17) The area of a triangle of base length 12 cm, its height 5 cm = cm².

(60 or 30 or 17 or 34)

- 18) The area of the square whose perimeter is 32 cm = cm². (128 or 32 or 64 or 1024)
- 19) A parallelogram, in which, the lengths of two adjacent sides are 5 cm and 7 cm, the length of the smaller height = 4 cm, then its area = cm². (28 or 10 or 20 or 14)
- 3 a) Use the properties of commutation and association in № to find the result of:

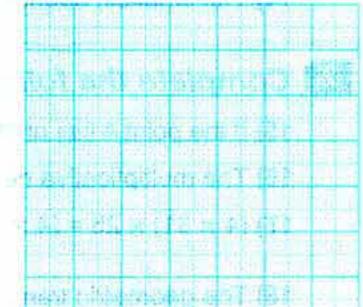
(Write the used property.)

- b) Solve the equation: $3x + 8 = 29, x \in \mathbb{N}$
- c) On the coordinate plane, if L is the axis of reflection for the triangle ABC, draw the image of Δ ABC in the straight line L.



- d) A rhombus in which the lengths of its diagonals are 12 cm and 16 cm and its height is 9.6 cm. Calculate:
 - 1) The area of the rhombus.
- 2) Its perimeter.
- e) The following table shows the marks of 35 students in maths test. Represent these data by frequency polygon.

| Sets | 5– | 10- | 15- | 20- | 25- | Total |
|-----------|----|-----|-----|-----|-----|-------|
| Frequency | 5 | 9 | 11 | 6 | 4 | 35 |



GEM / MATH / Primary 5

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

11 Kafr El Sheikh Governorate – Maths Supervision

1 Choose the correct answer:

(0 or 1 or 2 or ∅)

2) If a circumference of a circle is 22 cm, then the diameter length = cm.

(3.5 or 7 or 8 or 11)

3) If x + 5 = 15, then $x - 1 = \dots$.

(8 or 9 or 10 or 11)

my

4) The triangle whose base length is 8 cm and corresponding height is 5 cm.

Its area = cm².

(13 or 20 or 26 or 40)

5) If $X = \{x : x \in \mathbb{N}, x < 3\}$, then $X = \dots$.

 $(\{1\} \text{ or } \{0,1\} \text{ or } \{0,1,2\} \text{ or } \emptyset)$

6) On the coordinate plane:

M (1, 2), N (1, 8), then MN = length units.

(2 or5 or6 orc)

7) The rhombus has line(s) of symmetry.

(zero or1 or2 or4)

8) If x = 2, y = 3, then $4xy = \dots$.

(6 or 9 or 12 or 24)

9) The area of the square whose diagonal length is 6 cm = cm2.

(12 or 18 or 24 or 36)

(y + 3 or y + 6 or 3 y or 6 y)

11) If 2 a + 7 = 21, then the constant is

(a or 2 a ory or 7)

(∈ or∉ orc or⊄)

(30 or 24 or 6 or 4)

14) The smallest counting number is

(0 or1 or2 or3)

2 Complete the following:

16) The multiplicative neutral element in № is

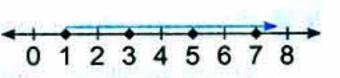
17) (4 × 31) × 25 = (4 ×) × 31 =

18) The geometric transformation _____ is

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- 19) the circumference of the circle =
- 20) Write the set which represents the points on the number line:



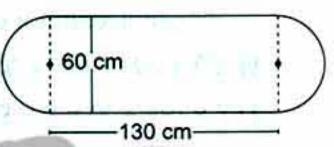
- 22) The area of the rhombus whose diagonal lengths are 6 cm and 8 cm = cm²
- 3 23) a) Solve the equation:

$$2x + 9 = 21, x \in \mathbb{N}$$

b) Use the properties of operations in ℕ to find:

$$45 \times 127 - 45 \times 27$$

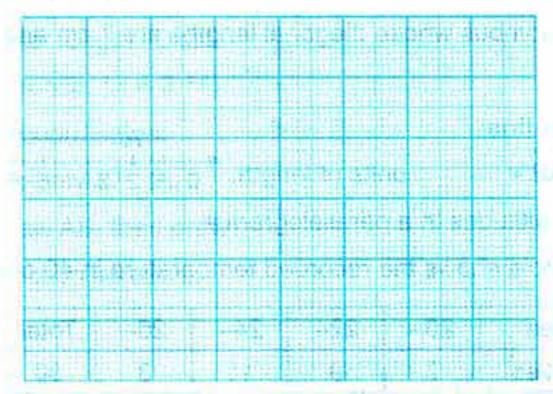
24) Calculate the perimeter of the opposite figure. (π = 3.14)



- 25) On the coordinate plane draw the following points A (3, 5), B (5, 5) and C (3, 2).
 - a) Find the length of AC.
 - b) Draw the image of \triangle ABC by reflection across AC .
- 26) The following table represents the marks of 50 students in the maths exam in a month where the full mark is 50:

| The sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 10 | 12 | 18 | 10 | 50 |

Draw the frequency polygon which represents the given data.



GEM / MATH / Primary 5



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Worksheets & Exams

Damietta Governorate - Official Language Schools

Choose the correct answer:

1) The smallest counting number is

(0 or 1 or 2 or 3)

(∈ or ∉ or ⊂ or ⊄)

$$(5 x \text{ or } 5 - x \text{ or } x - 5 \text{ or } x + 5)$$

(1 or 2 or 3 or 4) 4) The number of axes symmetry of the square =

5) Area of a parallelogram = $(\frac{1}{2} \times \text{base} \times \text{height or base} \times \text{height or } \frac{1}{2} \text{ the product of its diagonal lengths or } \frac{1}{2} \times \frac{1}{2}$ diagonal length x diagonal length)

6)
$$(93 + 87) - (87 + 93) = \dots$$

(zero or 87 or 180 or 186)

7) $7 \times (98 + 3) = 7 \times 98 + 7 \times 3$

(..... property)

(associative or commutative or neutral additive element or distributive)

4 cm

8) The area of opposite triangle = cm².

6 cm

(12 or 24 or 36 or 48)

9) The area of the square whose diagonal is 6 cm = cm².

(6 or 18 or 36 or 42)

10) 220 candidates have applied for a test to hire male and female anchorpersons in the television, if the opposite pie graph represents the given data, then the number of male candidates = males.

males females

(22 or 55 or 110 or 220)

11) The area of a rhombus whose diagonal lengths are 7 cm and 9 cm = cm².

(31 or 31.5 or 36 or 63)

12) On the number line:

The length of AB = units of length. 0 1 2 3 4 5 6 7 8 (2 or 4 or 5 or 6)

13) The number of altitudes in a parallelogram =

(1 or 2 or 3 or 4)

14) The following table shows the recorded temperature in 40 cities on a day:

| Temperatures | 20- | 22- | 24- | 26- | Total |
|------------------|-----|-----|-----|-----|-------|
| Number of cities | 7 | 9 | 11 | 3 | 30 |

The number of cities with temperature less than 24 degrees.

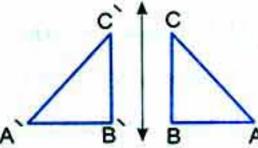
(16 or 27 or 20 or 7)

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

Complete the following:

- 15) 2, 4, 8,, 32. (in the same pattern)
- 16) (4 × 31) × 25 = (31 × 4) × 25 property.
- 17) 999 + 1 + 487 = (999 + 1) + 487 property.
- 18) x, y are two numbers, the greater number is 3 more than the other, if the smaller is y, then $x = \dots$.
- 19) The opposite transformation is



- 21) The area of the parallelogram whose base length is 60 cm and height is 40 cm = cm²
- 22) If x-3=5, $x \in \mathbb{N}$, then x =

3 Answer the following:

23) Using the properties of multiplication in ℕ, Find:

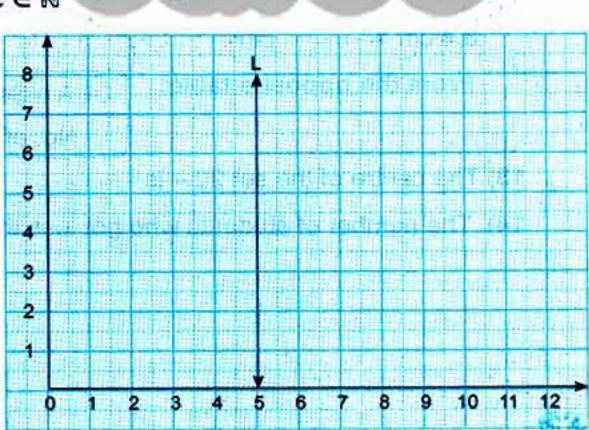
The value of: $2 \times 347 \times 5$ (Tell the property used)

24) Solved the equation: x + 3 = 12, $x \in \mathbb{N}$

- 25) A circle of diameter length 10 cm. Find its circumference. (π = 3.14)
- 26) In the Cartesian coordinates:

 Determine the points A (7, 2),

 B (9, 6), then draw AB, then draw its image by reflection across L.



GEM / MATH / Primary 5

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعسوس

13 Sharkia Governorate - Diarb Negm Educational Zone - El Sweedy Gov. Lang. School

1 Choose the correct answer:

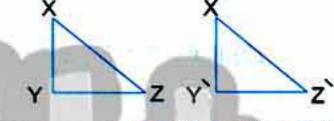
(Ø or 0 or N or { 2 })

3) $7 \times 98 = 7 \times 100 - 7 \times \dots$ (98 or 2 or 100 or 7)

5) If x - 3 = 5, then $2x = \dots$ (16 or 8 or 4 or 6)

7) In the figure below:

XYZ is transformed into XYZ, then this transformation is called (reflection or translation or rotation)



8) A circle of diameter 5 cm, then circumference =π cm. (5 or 10 or 22 or 7)

9) The area of the square whose diagonal length is 6 cm = cm². (9 or 36 or 24 or 18)

10) The area of a triangle with base length 20 cm and its corresponding height is 7 cm = cm². (140 or 70 or 280 or 350)

(22 or 11 or 7 or 3.5)

12) The area of a parallelogram whose base length is 10 cm and corresponding height is 8.4 cm = cm². (0.84 or 840 or 42 or 84)

From the opposite table:

| Sets | 10- | 20- | 30- | Total |
|---------------|-----|-----|-----|-------|
| No. of pupils | 7 | 13 | 5 | 25 |

क्षेत्र अपस्य कृत्य का स्थापन का अपन्ति । वा देश विश्व

80

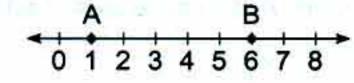
GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلومة

2 Complete the following:

- 15) The multiplicative neutral element in № is
- 16) If x is an odd number, then (x + 3) is number.
- 17) 2, 4, 8, 16, (in the same pattern)
- 19) In the opposite number line:

The length of AB = units.



- 20) If the area of a square is 25 cm2, then its side length = cm.
- 21) 28 + 57 = 57 + 28. (..... property)
- 22) The shaded sector of represents of the circle.

3 Answer the following:

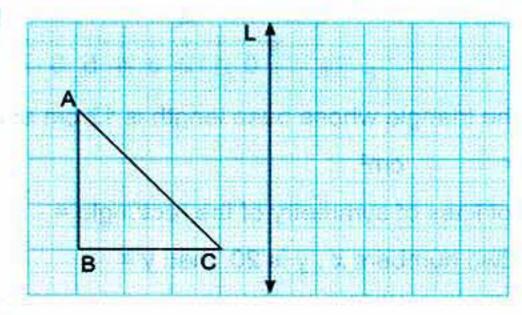
- 23) Using the properties of the operations in N, find the result: of 8 x 73 x 125 =
- 24) Find the solution set of: 3x + 2 = 8, where $x \in \mathbb{N}$
- 25) Which is greater in area:

A rhombus whose two diagonal lengths are 6 cm and 8 cm or a square whose diagonal length is 8 cm.

26) In the coordinate plane:

If L is the axis of reflection of the triangle ABC.

Draw its image by reflection in L.



GEM / MATH / Primary 5



ذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الخاصيوات



Port Said Governorate – Educational Directorate – Maths Inspectorate

Complete each of the following:

- 1) The opposite transformation is called

- 4) (4 × 31) × 25 = (31 ×) × 25
- 5) The area of the square whose diagonal length is 6 cm = cm2.
- 7) 13 , 16 , 19, (in the same pattern)
- 8) The following table shows the marks of 50 pupils, complete the following table:

| Sets | 10- | 20- | **** | 40- | Total |
|-----------|-----|-----|------|-----|-------|
| Frequency | 10 | 12 | 18 | 10 | 50 |

Choose the correct answer:

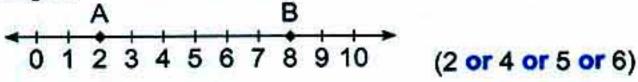
- (∈ or ∉ or ⊂ or ⊄)

$$(3 \times 073 + \times 072 \times + 3072 \times)$$

12) 2 456 3 645

- (> or < or = or otherwise)
- 13) The area of the rhombus whose diagonals are 12 cm and 16 cm = cm².
 - (59 or 96 or 56 or 192)

14) The length of AB = units length.



- 15) The area of the triangle whose base length is 12 cm and corresponding height 5 cm =cm².
 (30 or 60)
 - (30 or 60 or 17 or 34)
- 16) The number of lines of symmetry of the rectangle = (1 or 2 or 3 or 4)
- 17) If the sum of two numbers x, y is 20, then $y = \dots$.

$$(20 + x \text{ or } 20 - x \text{ or } x - 20 \text{ or } 8)$$

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

18) The area of the parallelogram whose base length is 8 cm and corresponding height is 5 cm = cm².

(40 or 13 or 26 or 20)

19) The shaded sector represented in the opposite figure = the circle.



- $(\frac{1}{2} \text{ or } \frac{1}{3} \text{ or } \frac{1}{4} \text{ or } 1)$
- (1000 or 100 or 10 or 0) 20) (93 + 7) - (7 + 93) =
- **21)** If 4x = 20, $x \in \mathbb{N}$, then $x = \dots$. (5 or 4 or 3 or 2)
- 22) The smallest natural number is (0 or 1 or 2 or 3)
- 23) Find the solution set of the equation: (where $x \in \mathbb{N}$) 4x - 7 = 33

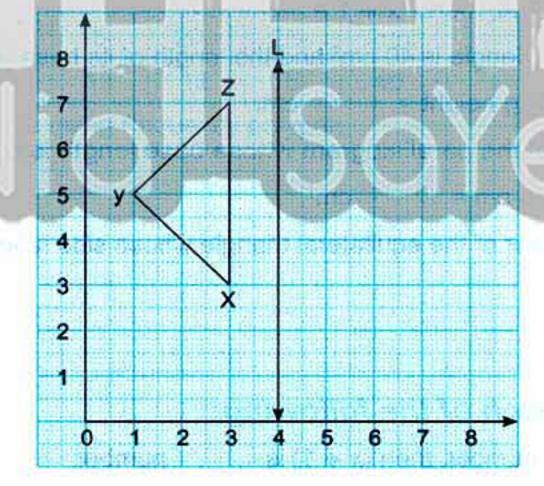
24) The circle whose diameter length is 14 cm. Calculate its circumference.
$$(\pi = \frac{22}{7})$$

25) By using the properties of addition in N, find the result of:

26) In the opposite coordinates plane:

If L is the axis of reflection for the figure XYZ.

Draw its image by reflection in L.



GEM / MATH / Primary 5

7 to 5, 10 A 5

15 Ismailia Governorate - Directorate of Educational - Al-Manar Language School

1 Choose the correct answer:

| 1) { 0 , 1 , $\frac{8}{4}$ } | (∈ or ∉ or ⊂ or ⊄) |
|------------------------------|--------------------|
|------------------------------|--------------------|

$$(3 + 2M \text{ or } 2M - 3 \text{ or } 3 - 2M \text{ or } M - 3)$$

10) If
$$x = 2$$
, $x \in \mathbb{N}$, then $2x + 1 = \dots$ (2 or 3 or 4 or 5)

2 Complete each of the following:

15) If
$$x$$
 an odd number, then $(x + 1)$ is number.

17) Two numbers
$$x$$
 and y , their sum is 18, then $y = \dots$.

84 GEM / MATH / Primary 5

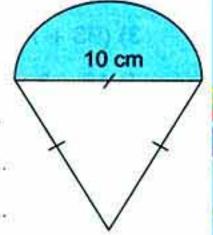
20) The opposite geometric transformations is



- 21) The triangle whose side lengths are 3 cm, 4 cm and 3 cm has lines of symmetry.
- 22) Area of a triangle = base x height +

3 Answer the following:

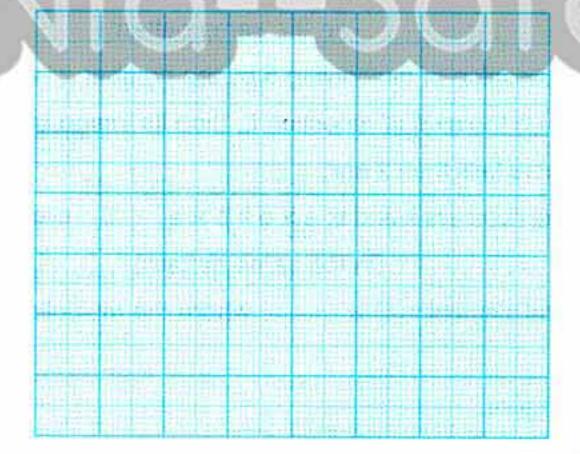
23) Calculate the perimeter of the opposite figure. $(\pi = 3.14)$



- 24) Use the distributive property to find: 37×101
- 25) Solve the equation: 2x + 3 = 13
- 26) The following data represent marks in a test for students in grade five:

| Sets | 10- | 15- | 20- | 25- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 7 | 13 | 15 | 5 | 40 |

Represent these data using frequency polygon.



GEM / MATH / Primary 5



بذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

(C or ⊄ or ∉ or ∈)

16 Suez Governorate - Directorate of Education - Mathematics Inspectorate

1 Choose the correct answer:

- 1) The smallest natural number is (0 or 1 or 2 or 10)
- 3) $(93 + 7) (7 + 93) = \dots$ (0 or 10 or 100 or 1000)
- 4) $15-3\times6+2+1=$ (2 or 9 or 37 or 7)
- 5) The area of square whose perimeter 32 cm = cm². (128 or 32 or 64 or 1024)
- 6) 75 + 89 = 89 + (75 or 100 or 0 or 89)
- 8) If x-3=5, $x \in \mathbb{N}$, then x = (2 or 6 or 7 or 8)

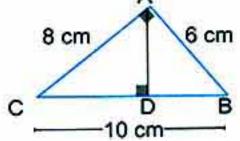
- 11) 2456 (> or < or = or ≥)
- 13) $(4 \times 31) \times 25 = (31 \times) \times 25$ (2 or 4 or 3 or 5)
- 14) On the number line:

The length of AB = length units. 0 1 2 3 4 5 6 7 8 (2 or 4 or 5 or 6)

2 Complete each of the following:

- 15) 100 , 85 , 70 (in the same pattern)

- 18) The natural numbers less than 2 are
- 19) For any two natural numbers a and b: a x b = b x a property.
- 20) 8, 16, 24,, (in the same pattern)
- 22) In the opposite figure:



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم





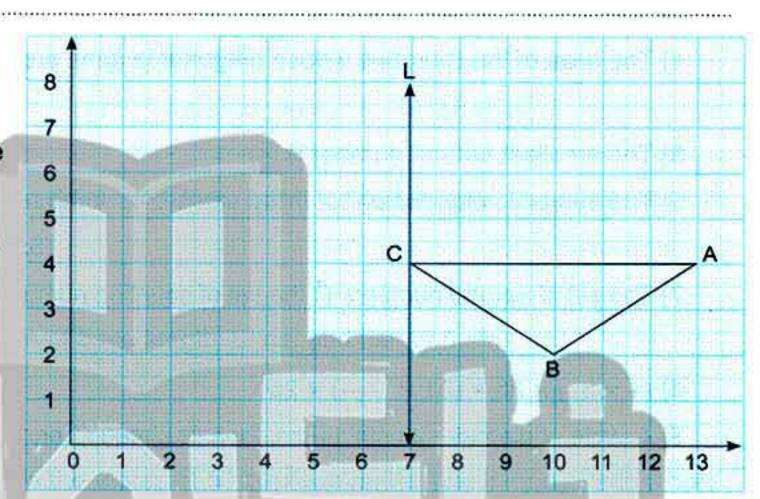
الصف الخامس الابتدائي

3 Find the result:

a) Which is greater:

A rhombus which diagonal lengths are 6 cm and 8 cm or a square whose diagonal length is 8 cm.

b) On the coordinate plane, If L is the axis of reflection for the triangle ABC, draw the image of Δ ABC in the straight line L.



4 Answer the following:

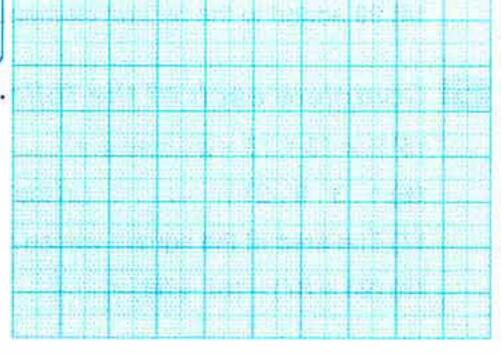
- a) (1) If a = 4, b = 3 and c = 0, find the value of $(a + b c) \times (a + b)$
 - (2) Find the product of: 45 × 99

(using the distributive property)

b) The following table shows the marks of 35 students in maths test:

| The sets | 5- | 10- | 15- | 20- | 25- | Total |
|-----------|----|-----|-----|-----|-----|-------|
| Frequency | 5 | 9 | 11 | 6 | 4 | 35 |

Represent these data using frequency polygon.



GEM / MATH / Primary 5



ذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم





South Sinai Governorate – Maths Supervision

1 Choose the correct answer:

3) If x-3=5, $x \in \mathbb{N}$, then $x = \dots$ (2 or 6 or 7 or 8)

4) The area of the rhombus whose diagonal lengths are 12 cm and 16 cm = cm².

(69 or 96 or 56 or 192)

(5x + 3 or 3x + 5 or 3x - 5 or x + 5)

(C or N or Ø or E)

8) $(4 \times 31) \times 25 = (31 \times) \times 25$ (2 or 4 or 3 or 5)

(88 or 22 or 44 or 14)

10) 2456 (> or < or = or ≥)

 $(8 x \text{ or } \frac{8}{x} \text{ or } x - 8 \text{ or } x + 8)$

12) 213 + 57 = 57 + 213 (..... property).

(commutative or associative or distributive or additive identity)

13) Two numbers x, y their sum equals 20, then $y = \dots$.

 $(20 + x \text{ or } 20 - x \text{ or } x - 20 \text{ or } \frac{x}{20})$

2 Complete each of the following:

15) $9 \times 13 = 13 \times x$, then $x = \dots$.

16) 1, 3, 9, 27, (in the same pattern)

18) (93 + 87) - (87 + 93) =

88 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلومة

- 23) By using the properties in N, find the result, and tell the property used:
 2 x 347 x 5

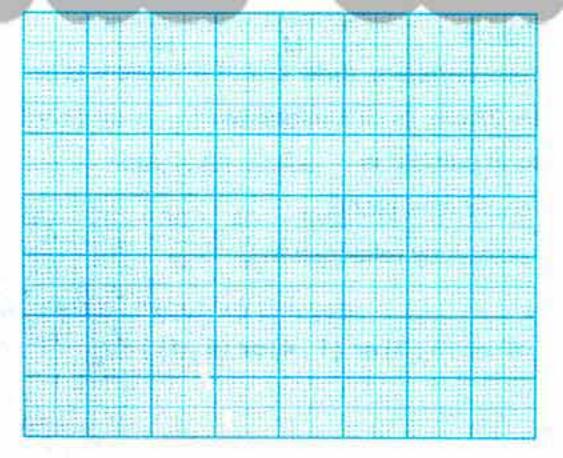
24) Write the suitable symbolic expression. If we add 6 to the number x, the result will be 26.

25) Find the area of a triangle of base length 12 cm and height 5 cm.

26) The following table shows the marks of 50 pupils in maths test in one month where the maximum mark is 50 marks:

| Sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 10 | 12 | 18 | 10 | 50 |

Draw each of the histogram and the frequency polygon to this distribution.



GEM / MATH / Primary 5



مذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلومة

18 El-wadi Al Gadeed Governorate – El-Kharga Educational Directorate

1 Choose the correct answer:

- 2) The area of the square whose diagonal length is 6 cm = cm2. (12 or 18 or 81 or 36)
- 3) If x is an odd number, then (x + 1) is number. (even or odd or prime or otherwise)
- 4) On the number line:

The length of AB = length units. 0 1 2 3 4 5 6 7 8 (2 or 4 or 5 or 6)

- 5) If \bigcirc is the set of odd numbers, then \bigcirc \bigcirc . \bigcirc .
- 6) The area of a rhombus whose diagonal lengths are 12 cm and 16 cm = cm².

7) The following table shows the recorded temperatures in 40 cities on a day

| Temperatures | 20- | 22- | 24- | 26- | 28- | Total |
|------------------|-----|-----|-----|-----|-----|-------|
| Number of cities | 7 | 9 | 11 | 8 | 5 | 40 |

The number of cities with temperatures less than 24 degrees Celsius is cities.

(11 or 16 or 27 or 13)

(69 or 96 or 56 or 192)

- 9) 213 + 87 = 87 + 213 (..... property)

(associative or commutative or neutral additive or closure)

10) The perimeter of an equilateral triangle whose side length x cm = cm.

(x + 3 or 3 x or 6 + x or 6x)

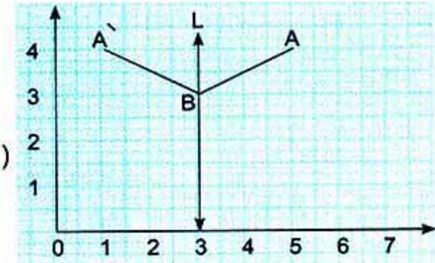
11) In the opposite figure:

- 13) The smallest natural number is (0 or 1 or 2 or 10)
- 14) On the opposite coordinate plane:

the image of the point A by reflection in L

is

((5,4) or (3,3) or (1,4) or (4,1))



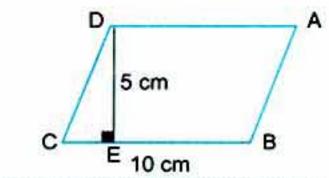
90 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة



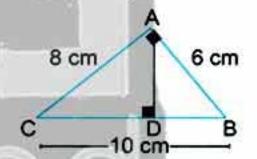
2 Complete each of the following:

- 15) The area of the rhombus in which the length of its side is 10 cm and corresponding height is 9.6 cm = cm².
- 16) 8, 16, 24, (in the same pattern)
- 18) The radius of a circle whose circumference is 88 cm = cm.
- 20) The multiplicative neutral element in N is
- 21) If $86 \times 15 = 86 \times y + 86 \times 10$, then y =
- 22) The area of the opposite parallelogram = cm².



3 Answer the following question:

- 23) Find the solution set of the equation: 2x + 9 = 21
- 24) In the opposite figure: ABC is right-angled triangle at A, AD \(\precedet \) BC. Find the length of AD.



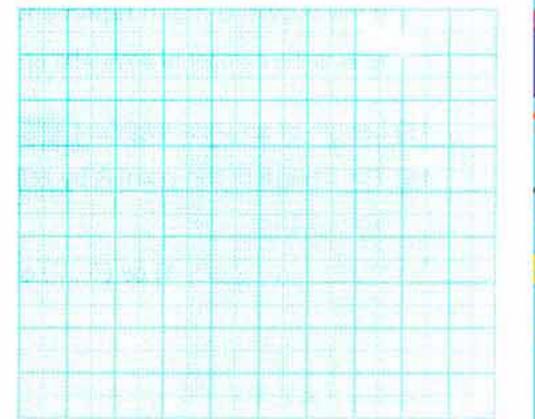
25) Use the distributive property to find:

$$45 \times (10 + 2)$$

26) The following table shows the marks of 50 pupils in maths test in one month, where the maximum mark is 50 marks.

| Sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 10 | 12 | 18 | 10 | 50 |

Represent these data by frequency polygon.



GEM / MATH / Primary 5



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم





الصف الخامس الابتدائي

19 Fayoum Governorate – Maths Supervision

1 Choose the correct answer:

(natural numbers or odd numbers or even numbers or ∅)

({1,3} or {1,2} or {2,3} or {1,2,3})

3) $\frac{1}{7}$ natural numbers.

 $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$

4) $\{\frac{12}{4}\}$ The set of odd numbers.

 $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$

5) If the side length of a square is x and its perimeter is P, then P =

(4 x or x + 4 or x - 4 or x + 4)

6) Circumference of the circle =

 $(2\pi r \text{ or } \pi r \text{ or } \frac{1}{2}\pi r \text{ or } \pi r^2)$

7) The area of a rhombus whose length of its diagonals are 10 cm and 6 cm = cm².

(100 or 60 or 36 or 30)

8) A parallelogram its base length is 8 cm and its corresponding height is 6 cm,

then its area = cm2.

(24 or 36 or 18 or 48)

- 9) The area of a square with diagonal length 10 cm = cm². (25 or 50 or 100 or 20)
- 10) The area of the triangle with base length 6 cm and its height 5 cm = cm2.

(30 or 18 or 15 or 22)

11) The following table represents the temperature of 30 cities, then the number of cities whose

Temperature 18- 20- 22- 24-No. of cities 15 4 6 5 (6 or 11 or 15 or 25)

12) 240 students (boys and girls) have applied for a test.

If the opposite graph represents the given data, Boys

temperature is 22 degrees or more = cities.

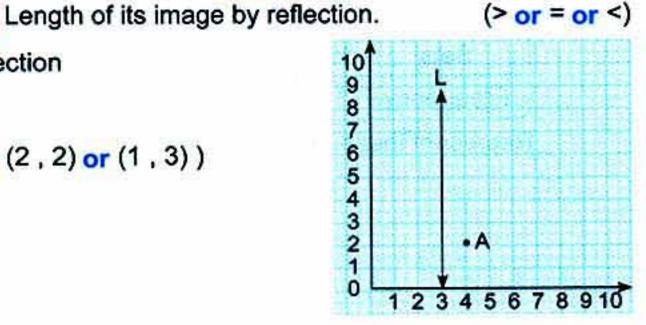
Girls (60 or 120 or 180 or 240)

If the opposite graph represents the given data, what is the number of boys who applied for that test?

14) The image of the point A by reflection

13) Length of any line segment

((2,4) or (6,3) or (2,2) or (1,3))



92 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

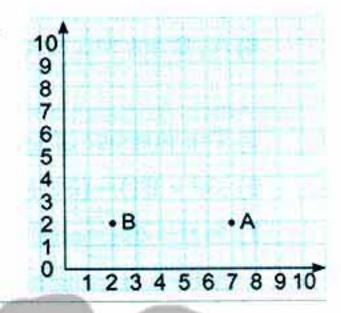


2 Complete each of the following:

- 15) If x is an odd number, then x + 1 is number.
- 16) 1, 4, 8, 13, (in the same pattern)
- 17) The multiplicative neutral element in (ℕ) =
- 18) If the sum of two numbers is 10 and one of them is x, then the other number is
- 19) From methods of representing data are and and
- 21) In the opposite figure:

A (...... ,) and B (...... ,)

22) In the opposite figure:



3 Find the result:

23) Find using the properties of operation in №:

a) $25 \times 37 \times 4$

b) $35 \times 118 - 35 \times 18$

24) Solve the following equation such that $x \in \mathbb{N}$: 2x + 9 = 21

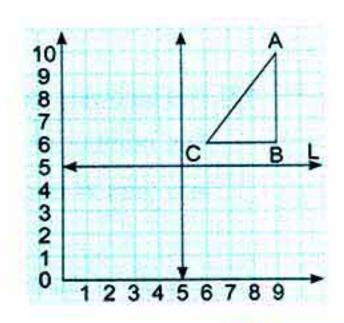
25) If the radius of a circle is 14 cm, find its circumference. $(\pi = \frac{22}{7})$

26) Draw the triangle A`B`C` as the image of the triangle ABC reflection in the straight line M and determine the coordinates of Δ A`B`C`.

A` (.....)

B`(.....)

C`(.....)



GEM / MATH / Primary 5

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلولة

Beni Suef Governorate - Directorate of Education - Directorate of Official Lang. Schools 20

Choose the correct answer:

- (0 or 1 or 2 or 3)
- 2) The area of the triangle of base length 12 cm and corresponding height is

$$5 \text{ cm} = \dots \text{ cm}^2$$
.

(30 or 60 or 17 or 34)

- $(\in \text{ or } \notin \text{ or } \subset \text{ or } \not\subset)$
- A, B are two natural numbers ← → then

 $(A < B \text{ or } A > B \text{ or } A = B \text{ or } A \le B)$

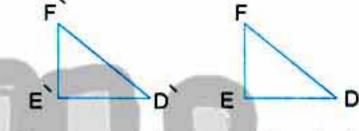
6) (39 + 61) – (61 + 39) =

(0 or 1 or 100 or 200)

(0 or 1 or 2 or 3)

7) In the opposite figure:

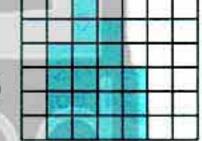
Δ DFE is transformed to Δ D F E, then this transformation is called



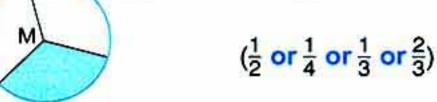
(reflection or translation or rotation or otherwise)

8) If x + 7 = 19, $x \in \mathbb{N}$, then $x = \dots$.

- (26 or 12 or 11 or 13)
- - (polygon or solid or histogram or circular sector)



- 10) The area of the square whose diagonal length is 6 cm = cm2. (18 or 36 or 12 or 6)
- 11) The shaded part represents of the surface area of the circle.



- 12) The area of the rhombus whose diagonal lengths are 6 cm and 8 cm = cm².
 - (48 or 84 or 24 or 12)
- 13) The following table shows the recorded temperature of 40 cities on a day.

The number of cities with temperatures less than 24 degrees Celsius = cities.

| Temperature | 20- | 22- | 24- | 26- | Total |
|---------------|-----|-----|-----|-----|-------|
| No. of cities | | | | | |

(11 or 19 or 20 or 27)

- GEM / MATH / Primary 5

2 Complete each of the following:

- 15) The number of symmetry axes of an equilateral triangle =
- 16) The additive neutral element in №
- 17) $(4 \times 37) \times 25 = (4 \times 25) \times \dots$
- 19) The smallest counting number is
- 20) If x is an odd number, then (x + 1) is _____ number.
- 21) The opposite transformation is
- 22) The following frequency table distribution shows the marks of a group of students in an exam.

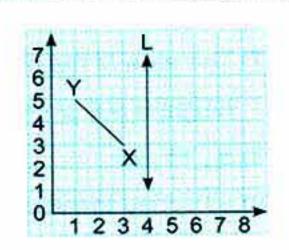
| Sets | 5- | 10- | 15- | 20- | 25- | 30- | 35- | Total |
|-----------------|----|-----|-----|-----|-----|-----|-----|-------|
| No. of students | 3 | 6 | 8 | 12 | 10 | 6 | 5 | 50 |

The number of students who got 30 marks or more is

3 Find the result:

- 23) Solve the following equation: 2x + 3 = 15
- 24) Using the properties of commutation and association in N to find the result of addition (write the used property) 872 + 199 + 128 + 801
- 25) A circle of diameter length 10 cm, find its circumference. (π = 3.14)
- 26) In the opposite coordinates plane:

If L is the axis of reflection for XY, then find its image by reflection in L.



GEM / MATH / Primary 5

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بذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى [طعمواله





الصف الخامس الابتدائي

21 Menia Governorate – Kafr Elmansorah Formal Language Primary School

1 Choose the correct answer:

2) The smallest natural number is (0 or 1 or 2 or 3)

4) If x-3=5, $x \in \mathbb{N}$, then $x = \dots$ (2 or 6 or 7 or 8)

5) The area of the square whose diagonal length is 6 cm = cm².

(12 or 18 or 36 or 83)

 $(M < N \text{ or } M > N \text{ or } M = N \text{ or } M \ge N)$

7) $(4 \times 31) \times 25 = (31 \times) \times 25$ (2 or 4 or 3 or 5)

8) The circumference of a circle of radius length 4 cm = $\pi \times$ cm. (4 or 8 or 16 or 10)

9) The colored sector represents of the circle. ($\frac{1}{2}$ or $\frac{1}{3}$ or $\frac{1}{4}$ or $\frac{1}{6}$)

10) The opposite number line 0 1 2 3 4 5 6 7 represents the set of numbers.

(odd or even or prime or N)

11) x + 18 x + 17, where $x \in \mathbb{N}$. (> or < or = or ≥)

14) The perimeter of an equilateral triangle whose length is L cm = cm.

(L+3 or 3 L or 6 + L or 6 L)

2 Complete each of the following:

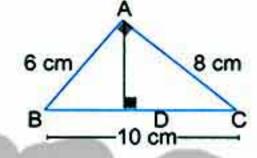
- 16) If x is an odd number, then (x + 1) is number.
- 17) The area of the rhombus in which the length of its side is 10 cm and corresponding height is 9.6 cm = cm².
- 18) 5 , 15 , 25 (in the same pattern)
- 96 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

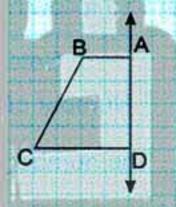
- 21) The set of natural numbers less than 5 is

3 Find the result:

- 23) Find the result by using commutative and associative properties: $8 \times 49 \times 125$
- 24) In the following figure ABC is a right-angled triangle at A, AD \(\text{BC find:} \)
 - a) The area of \triangle ABC.
 - b) The length of AD.



- 25) a) Determine the image of the following figure by reflection across L.
 - b) The length of AD = units.

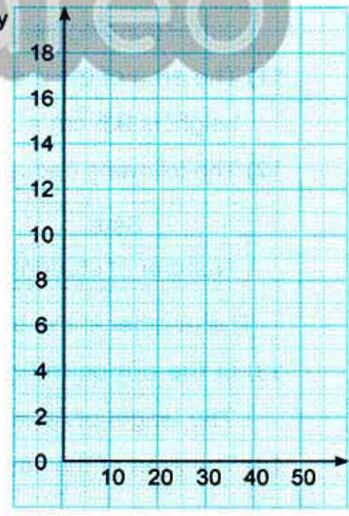


26) The following table shows the marks of 50 pupils in a maths test in one month, where the max. mark is 50 marks:

Frequency

| Sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 10 | 12 | 18 | 10 | 50 |

Represent these data by frequency polygon.



GEM / MATH / Primary 5



بذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى الخاصولة





الصف الخامس الابتدائي

22 Assuit Governorate – Administration of Governmental Language Schools

1 Choose the correct answer:

 $(\in \text{ or } \not\in \text{ or } \subset \text{ or } \not\subset)$

2) $(93 + 7) - (7 + 93) = \dots$

(0 or 10 or 100 or 1000)

3) If subtract 5 from the number x, we get

(5 x or 5 - x or x - 5 or x + 5)

(110 or 220 or 202 or 101)

(0 or 1 or 2 or 3)

my

7) The area of the triangle of base length 8 cm and its corresponding height 6 cm = cm².
(4)

(48 or 24 or 14 or 10)

(E or ◎ or Ø or ℕ)

9) The following table shows the recorded temperatures of 40 cities on a day:

| Sets | 20- | 22- | 24- | 26- | 28- | Total |
|------------------|-----|-----|-----|-----|-----|-------|
| Number of cities | 7 | 9 | 11 | 8 | 5 | 40 |

The number of cities with temperatures less than 24 degrees Celsius = cities.

(11 or 16 or 20 or 17)

10) If the area of a parallelogram = 24 cm² and its base length = 4 cm, then its corresponding height = cm. (4 or 5

(4 or 5 or 6 or 2)

11) The area of the rhombus in which the length of its side is 10 cm and corresponding height is 9.6 cm = cm². (96 or 69 or 48 or 84)

12) The following frequency distribution shows the marks of a group of students in an exam:

| Sets | 5- | 10- | 15- | 20- | 25- | Total |
|--------------------|----|-----|-----|-----|-----|-------|
| Number of students | 3 | 6 | | 13 | 5 | 35 |

The number in the blank space in the table is

(6 or 7 or 8 or 9)

13) In the opposite figure:

The length of AB = length units. 0 1 2 3 4 5 6 7 8

(3 or 4 or 5 or 6)

14) The area of the square whose perimeter is 32 cm = cm².

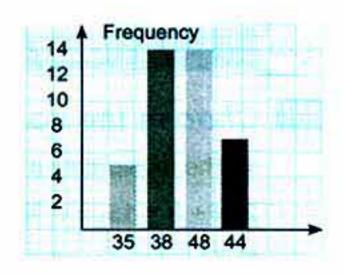
(128 or 32 or 64 or 1024)

98 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

2 Complete each of the following:

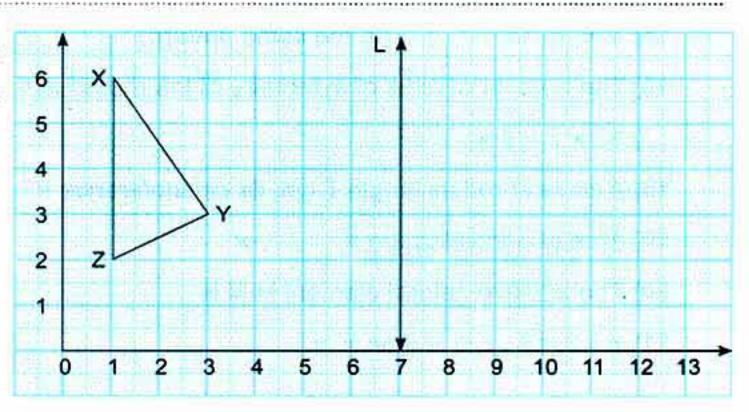
15) This representation of the data is called



- 16) 13, 16, 19,, (in the same pattern)
- 18) If x is an old number, then (x + 1) is number.
- **19)** $(4 \times 31) \times 25 = (31 \times ...) \times 25$
- 20) If the sum of two numbers x and y is 20, then $y = \dots$.

3 Find the result:

- 23) By using the properties of multiplication in N, find $8 \times 17 \times 125$
- 24) Which is greater in area, a rhombus whose diagonal lengths are 6 cm and 8 cm or a square whose diagonal is 8 cm?
- 25) Solve the equation of: x-7=33, $x \in \mathbb{N}$.
- 26) In the coordinate plane, if L is the axis of reflection of the shape XYZ draw its image by reflection in L.



GEM / MATH / Primary 5

99

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

(m)

(56 or 96 or 129)

Qena Governorate – Dishna Official Language Schools

1 Choose the correct answer:

| The multiplicative natura | l element in N is | (0 or 1 or 2) |
|---|-------------------|---------------|
| | | |

2)
$$x + 8 = 15$$
, $x \in \mathbb{N}$, then $x = ...$ (7 or 3 or 6)

4) 7 is subtracted from
$$x = \dots$$

$$(7 - x \text{ or } x - 7 \text{ or } 7 + x)$$

7)
$$(4 \times ...) \times 78 = 7800$$
. (5 or 10 or 25)

8) If
$$3x = 6$$
, $x \in \mathbb{N}$, then $x = ...$ (4 or 6 or 2)

(rotation or translation or reflection)

14) 999 + 53 = 53 + 999 is called property. (commutative or closure or associative)

2 Complete each of the following:

21)
$$x + 3 = 5$$
, $x \in \mathbb{N}$ then $x = \dots$.

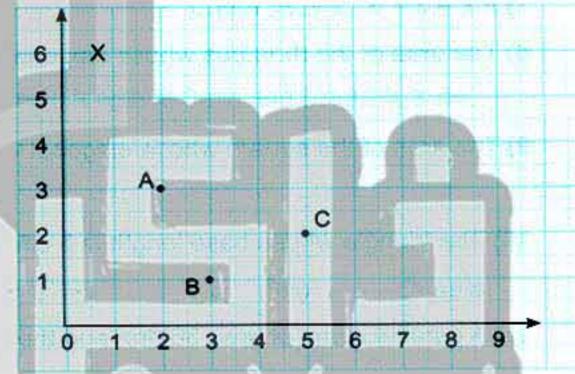
100 GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

- 22) The smallest natural number is
- 23) The smallest odd number is
- 24) 33 + 299 = 299 +

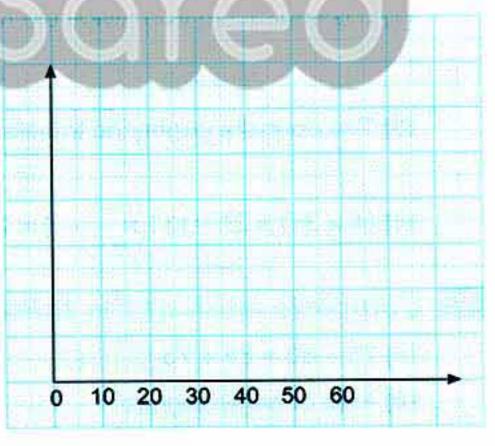
3 Find the result:

- 25) Find the area of rhombus whose side length is 10 cm and height is 6 cm.
- 26) Use the properties to find the value of $2 \times 48 \times 5$
- 27) Calculate the circumference of the circle whose diameter length is 7 cm. ($\pi = \frac{22}{7}$)
- 28) Solve the equation: $2x + 9 = 21, x \in \mathbb{N}$.
- 29) From the following coordinate plane complete:



30) Use the following table to draw frequency polygon:

| Sets | 10- | 20- | 30- | 40- | 50- | Total |
|-----------|-----|-----|-----|-----|-----|-------|
| Frequency | 2 | 5 | 3 | 4 | 1 | 15 |



GEM / MATH / Primary 5



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوس

24

Sohag Governorate - Maths Supervision

1) Choose the correct answer:

| The isosceles triangle has line(s) of symmetry. | (1 or 2 or 3 or 4) |
|---|--------------------|
|---|--------------------|

7) If
$$x + 3 = 5$$
, $x \in \mathbb{N}$, then $x = \dots$ (1 or 2 or 3 or 4)

12) 5 is subtracted from twice the number
$$x = \dots$$

$$(5 - x \text{ or } 2x - 5 \text{ or } 5x + 2 \text{ or } 5 - 2x)$$

(rotation or translation or reflection)

(2 or 4 or 3 or 5)

2 Complete each of the following:

18) If
$$x \in \mathbb{N}$$
, $2x = 8$, then $x = \dots$.



GEM / MATH / Primary 5

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

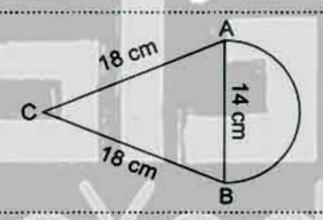


- 19) The circumference of the circle =

- 22) Use ∈ or ∉: 0.15 N.

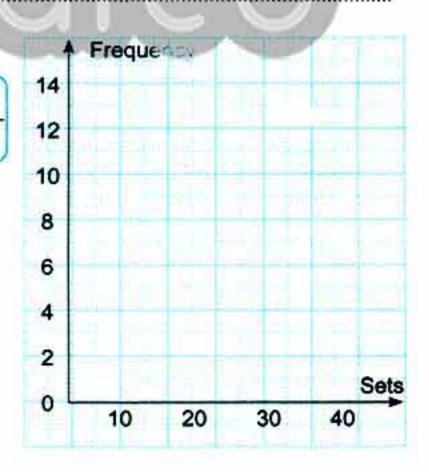
3 Find the result:

- 23) Solve the equation in \mathbb{N} : 5x-2=8
- 24) Using the commutative and associative properties, find the product of $5 \times 37 \times 2$
- 25) Find the area of the rhombus whose side length is 5 cm and height is 3 cm.
- 26) Calculate the perimeter of the opposite figure where AB is the diameter of the circle, AB = 14 cm. $(\pi = \frac{22}{7})$



27) Represent the following by frequency polygon.

| Sets | 10- | 20- | 30- | 40- | Total |
|-----------|-----|-----|-----|-----|-------|
| Frequency | 8 | 10 | 14 | 8 | 40 |



GEM / MATH / Primary 5



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعيولة

area of
$$\triangle$$
 DCE = $\frac{1}{2}$ EC × DC
= $\frac{1}{2}$ (35 - 23) × 36
= 6 × 36 = 216 cm²

c)
$$(25 \times 4) \times 9892 = 989200$$

Exam 3

Left to the pupil.

Answers of Pre-exam Final Revision

First:

- 1) 81, 243 2) 44 cm 3) 50 cm² 4) x = 3 5) 213 6) 0 7) 24 cm² 8) odd
- 9) base × height
- 10) n + 3 11) 5
- 12) 1 13) 88
- 14) 10 15) even
- 16) 210, 280 17) (4.4)
- 22) 12 23) 20

24) 43

20) zero

26) 13

18) 1

27) L × w

19) 2

- 28) 10,1
- 29) 200 cm² 30) height
- 31) 128 , 512 32) distributive 33) {0}

21) 31.4

25) 0

Second:

- 1) 2 2) 3
- 3) 220
- 4) 297

- 5)∈
- 6) 16
- 7) is not possible

- 8) 2
- 9) 100
- 10) translation 11) 14 cm²

- 15) x 3
- 12) reflection 13) (8 × 50) + (8 × 4)
 - 17) 2 πr
- 18) 3

14) 10

- 19) rotation
- 20) 1 21) 3 x
- 22) ∈

- 23) 9
- 24) 25

16) (2, 2)

25) 49 cm²

Third:

a) 75 + 25 + 16 comm.

b) Area of $\Delta = \frac{1}{2} \times 6 \times 5 = 15 \text{ cm}^2$.

Area of rhombus = $\frac{1}{2} \times 7 \times 4 = 14$ cm².

Area of the Δ is greater.

- 2) a) BC = 3 cm, area = 6 cm²
- b) 14 x
- a) Area = 5 × 5 = 25 cm²
 b) Left to the pupil.
- 4) a) $X = \{5, 6\}$
- b) Left to the pupil.
- c) AB = 4 units
- 5) a) 38 + 62 + 47 + 53 commutative = (38 + 62) + (47 + 53) associative

b) Area of $\Delta = \frac{1}{2} \times 18 \times 12 = 108 \text{ cm}^2$.

Area of the rhombus = $\frac{1}{2} \times 24 \times 8 = 96$ cm². Area of Δ is greater.

c) Draw it by yourself.

Answers of Model Tests from the School book

Model >> 1

- 1.1) ∈ 2) {2}
- 3) (2r + 3)
- 8) reflection

4)0

5) 38

9) 4

6) m < n

10) 96

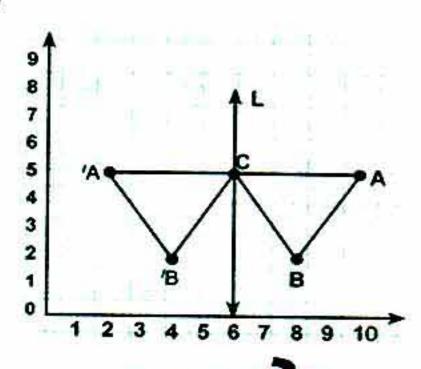
11) 4

7)8

- 12) 50 13) 40
- 14) 18

- 2. 15) 22
- 16) 5 x
- 17) {0, 1}
- 18) 18

- 19) itself
- 20) 44
- 21, 22) left to the pupil.
- 3. 23) The other number = 35 x
 - 24) (53 + 47) + 67 (associative, commutative)
 - = 100 + 67 (add. operation)
 - = 167.
 - 25) The area of \triangle ABC = $\frac{1}{2} \times 6 \times 8 = 24 \text{ cm}^2$.
 - $AD = \frac{2 \times 24}{10} = 4.8 \text{ cm}.$



1. 1) 2 y

2) Ø

Model

- 3)88
- 4)0

- 5) 5
- 6) ∈
- 7) 32
- 8) 24
- 9) no. (3) 10) 45
- 11) 30
- 12) 5
- 13) 64
- 14) (1, 4)
- 2. 15) even
- 16) n < m
- 17)(x + 3)
- 18) 96

- 19) axis of symmetry
- 20) 213

3. 21) 8

- 22) 150
- 23) 45 × 10 + 45 × 2
 - = 450 + 90
 - = 540
- 24) x 7 + 7 = 33 + 7
 - x = 40
- S.S. = {40}
- 25) The area of the square = 10 × 10 = 100 cm²
 - EC = 15 10 = 5 cm.

Area of \triangle DCE = $\frac{1}{2} \times 5 \times 10 = 25 \text{ cm}^2$.

Area of ABED = area of ABCD + area of DCE

= 100 + 25 = 125 cm².

26) Left to the pupil.



Left to the pupil.

Answers of some School Examinations

Cairo Governorate - Maadi Educational Directorate

- 1.1) 7 x
- 2) ∈
- 3) rotation
- 4) additive identity
- 5) { 4 }
- 6) 5

7)6

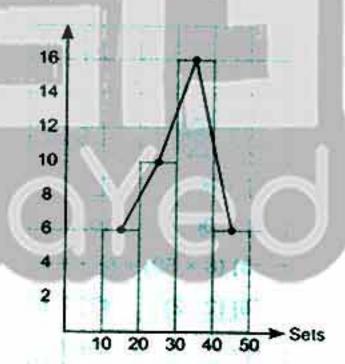
- 8) 10 x
- 9) ∉

- 10) even
- 11) {2}
- 12) wrong

- 13) 300
- 14) 3
- 2. 15) 3 16) 18 cm²
 - 17) 1
- 18) 48
- 19) base length x height
- 20) (4, 5, 6, 2, 3) 21) (0, 2, 4, 6, 8)
- 22) $\frac{1}{2}$ × length of 1st diagonal × length of 2nd diagonal
- 3. 23) a) 3 x = 14 8 , 3x = 6 , $x = \frac{6}{3} = 2$ b) $\frac{1}{2} \times 6 \times 4 = 3 \times 4 = 12 \text{ cm}^2$
- 4. The circumference = $2 \pi r$

$$= 2 \times \frac{22}{7} \times 21^3 = 132 \text{ cm}$$

- 5. a) $25 \times (8 + 2) = 25 \times 10 = 250$
 - b)



Cairo Governorate - Nasr City Educational Zone - Alsun Modern School

1. 1) 53

4)0

2) {0,1,2,3,4}

5) 5

- 6) 20
- 7) 1

3) €

8) translation

10) commutative

- 9)5
 - 11) 100
- 12) 22

13) 5

- 14) 3 L
- 2. 15) zero , 1
- 16) 4
- 17) 22

24

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

19) 🕅

20) 3

21)(5+7)

22) a) x + 7

b) x - 5

3. 23) a) $4 \times 25 \times 19$

(commutative)

 $= (4 \times 25) \times 19$

(associative)

 $= 100 \times 19 = 1900$

b) 64 + 36 + 81 + 19

(commutative)

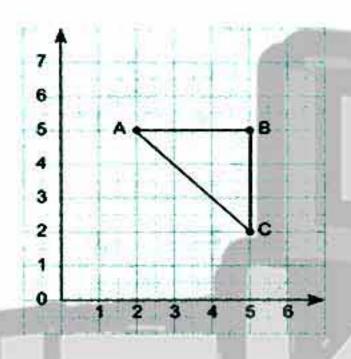
= (64 + 36) + (81 + 19)

(associative)

= 100 + 100 = 200

24) x = 2 + 5, x = 7

25)



$$AB = 5 - 2 = 3$$
 units length

26)
$$X \cap Y = \{4\}$$
, $X \cup Y = \{1, 2, 3, 4, 5, 6\}$
 $X - Y = \{1, 2, 3\}$

4. Left to the pupil.

3 Cairo Governorate - Abdeen Zone - Mohamed Fand O L S

1. 1) ∈

- 2) 0
- 3) 35

4) 5

- 5) 2y
- reflection

7)5

- 8) 10 x
- 9) 15

10) 8

- 11) 30
- 12) 18

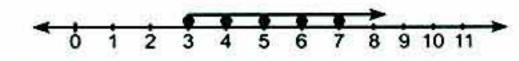
- 13) (3)
- 14) 28

- 2. 15) Ø
- 16) Zero 17) 2
- 18) {1, 0}

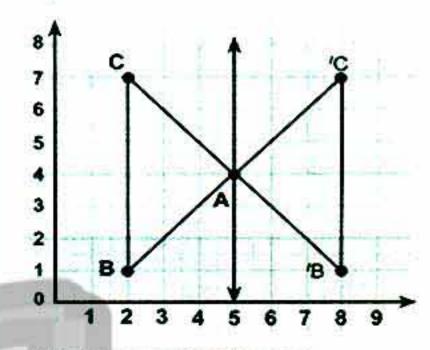
- 19) 4
- 20) A (the same point)
- 21) 16 cm²

- 22) 19
- 23) (33 + 67) + 76

24) {3, 4, 5,}



25)



26) The area of the figure =

area of square ABCD + area of triangle CDE

$$= 8 \times 8 + \frac{1}{2} \times 4 \times 8$$

= 64 + 6 = 80 cm²

4 Giza Governorate – El Haram Directorate – Fadi Language School

- 1. 1) x + 3
- 2) 8 m
- 3) 18

- 4) €
- 5) 24
- 6) 3 L
- 7) translation 8) 5
- 9) commutative

- 10) M > N
- 11) 0
- 12) histogram

13) Ø

2. 15) 2

19) B

- 14) 7
- - 16) 50
- 17) 4
- 1000 mm
- 21) odd
- 22) 20

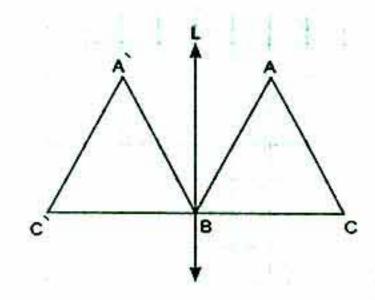
18) 4

- 3. 23) 8 × 125 × 117
- (commutative)
- $= (8 \times 125) \times 117$
- (associative)
- = 1000 × 117 = 117000

20) 16

- 24) 2x = 5 + 3, 2x = 8, $x = \frac{8}{2} = 4$
- 25) The circumference = $2 \times \pi \times r$

$$= 14 \times \frac{22}{7} = 44 \text{ cm}$$



Giza Governorate - Maths Inspection

- 1. 1) 2π r
- 2)y + 3
- 3) €

- 4) 4
- 5) 16
- 6) 5

- 7) 36
- 8)6
- 9) ∈

- 10) 匡
- 11) 20
- 12) 28
- 13) 24 cm²
- 14) 0
- 2. 1) its diagonals
- 2) even
- base x its height. 5) {4, 3, 2, 1, 0}
- 6) A = 4 . B = 9
- 7) 32
- 8) 81

4) 75

3. 1) x + 7 = 15

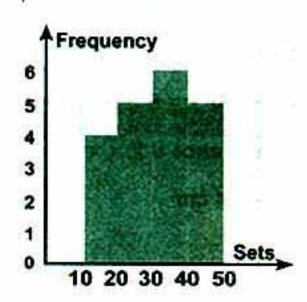
then
$$x + 7 - 7 = 15 - 7$$

2) 20 + 55 + 80 + 45

3) The circumference of the circle = $2\pi r$

$$= 2 \times \frac{22}{7} \times 14 = 88$$
 cm

4)



- Alex. Governorate El Montazah Zone Maths Supervision
- 1. 1) 21 -x 2) 50
- 3) 2
- 4) 4

- 5) even
- 6) 4
- 7) 10
- 8) 2y 3

- 9) 4
- 10) 44
- 11) 48
- 12) 28

- 13) reflection
- 14) 15
- 2. 15) 31.4
- 16) zero
- 17) 4
- 18) 18 cm²

- 19) no
- 20) y + 5
 - 21) 24
- (commutative)

22) 2 . 1 . 0

3. 23) $4 \times 25 \times 17$

(associative)

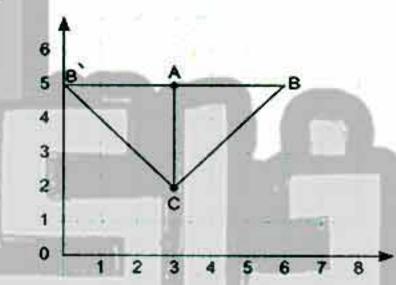
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$$= 100 \times 17 = 1700$$

 $= (4 \times 25) \times 17$

24) 3x = 10 + 5, 3x = 15, $x = \frac{15}{3} = 5$

25)



The image of Δ ABC is ABC by reflection in AC.

Alex Governorate - El Montazah Zone - Maaly Language School

- 1. 1) 2x+7 2) 0
- 3) commutative

4) 0

7) €

- 8) 3 L
- 9) C

5) 25 cm² 6) 20 - y

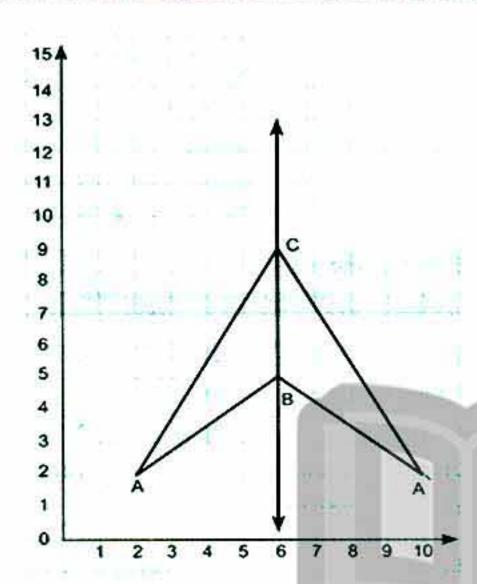
- 10) 24 cm²
- 11) 30
- 12) 4
- 13) reflection
- 14) {0, 1}
- 2. 1) 24 cm²
- 2) 44 cm
- 3) even number.
- 4) n
- 5) M < N
- 6) 96 cm²

- 7) 99
- 8) 8, 5

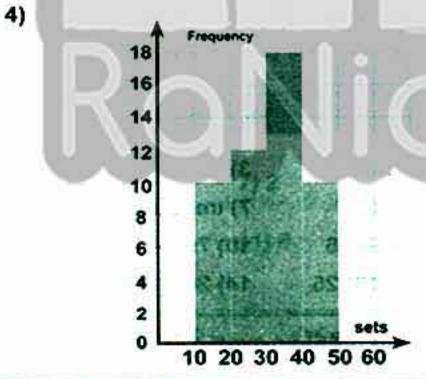
26

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة

3. a) △ ABC is the image of △ ABC by reflection in BC



- b) 2x + 9 = 212x + 9 - 9 = 21 - 92x = 12 then $\frac{2x}{2} = \frac{12}{2}$ Then $x = 6 \Rightarrow s.s = \{6\}$
- c) The perimeter of figure = perimeter of half circle + 10 + 10 $=\frac{1}{2} \times 7 \times \frac{22}{7} + 20 = 31$ cm



Qalubia Governorate - Maths Supervision -Experimentel Official L. Schools

- 1. 1) zero
- 2) ∈
- 3) 18
- 4) 36

- 5) 5
- 6)8
- 7) zero
- 8) 50

- 9)3 + x
- 10) 24
- 11) is not possible
- 12) reflection
- 13) 16
- 14) 13

- 2. 15) a 16) 16, 32 17) 6+6+5=17 cm
 - 19) 1) equal in length 2) perpendicular to each other
 - 22) AE 20) half 21) 3
- 3. 23) $45 \times 10 + 45 \times 2 = 450 + 90 = 540$
 - 24) x = 12 3 = 9
 - 25) = $\frac{1}{2}$ × 34 × 15 = 17 × 15 = 255 cm²
 - 26) Left to the pupil.
- Gharbia Governorate Gharbia Educational Directorate Maths Supervision
- 1.1){2}
- 2) 4
- 3) 14
- 4) 3 x

- 5) 12
- 6) ⊂
- 7) 4
- 8) 64

- 9) even
- 10) translation
- 11) 1

- 12) 20
- 13) 44
- 14) congruent

16) rotation 17) {0,1,2}

2. 15) 17

18) 96

- 19) 2
- 20) 22 . 25
- 21)3 + 2x
- 22) 10
- 3. 23) a) 8 × 125 × 117
- (commutative)
- $= (8 \times 125) \times 117$
- (associative)
- $= 1000 \times 117 = 117000$
- b) 2x = 21 9, 2x = 12, $x = \frac{12}{2} = 6$
- 24) a) Area of the rhombus = $\frac{1}{2} \times 8 \times 6 = 24$ cm²

Area of the square = $\frac{1}{2} \times 8 \times 8 = 32 \text{ cm}^2$ then the area of the square is greater than the area of the rhombus.

- b) Left to the pupil.
- Dakahlia Governorate Maths Supervision 10
- 1.1) {0,1,2,3}
- 2) 1
- 3)8

- 4) 10 x 5) 18 cm²
- 6) A itself
- 7) zero

- 2.8) ∉
- 9) <
- 10) 19
- 11) 25

27

12) 3 + x 13) 4

14) 14

15) 180

16) (1, 4) 17) 30

18) 64

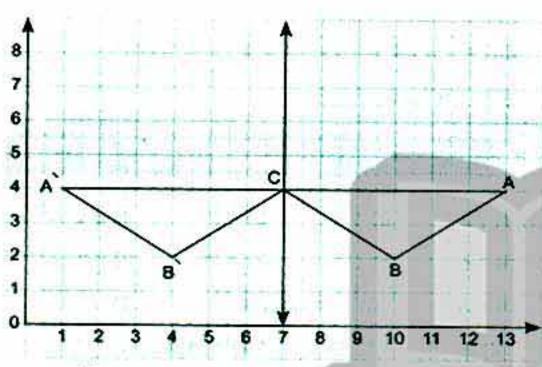
19) 28

3. a) 872 + 128 + 199 + 801 (commutative) = (872 + 128) + (199 + 801) (associative)

= 1000 + 1000 = 2000

b) 3x = 29 - 8, 3x = 21, $x = \frac{21}{3} = 7$

C)



- d) 1) $\frac{1}{2}$ × 12 × 16 = 96 cm²
 - 2) Its side length = 960 + 96 = 10 cm Its perimeter = 10 × 4 = 40 cm
- e) Left to the pupil.

11 Kafr El Sheikh Governorate - Maths Supervision

- 1.1) Ø
- 2) 7
- 4) 20

- 5) {0,1,2}
- 6)6

3)9

7)2

- 8) 24
- 9) 18
- 10) 3 y

14) 1

11) 7

- 12) €
- 13) 4
- 17) 25, 3100
- 18) translation 19) π
- 20) {1,3,5,7,...}
- 21)4 5x

2. 15) A itself

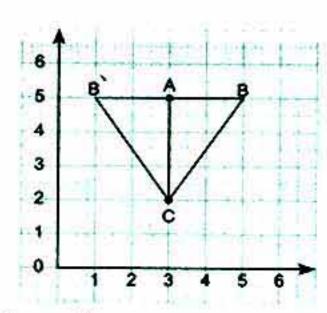
22) 24 cm²

3. 23) a)
$$2x = 21 - 9$$
, $2x = 12$, $x = \frac{12}{2} = 6$

16) 1

- b) $45 \times (127 27)$ (distributive property)
 - $= 45 \times 100 = 4500$
- 24) $60 \times 3.14 + 130 + 130$
 - = 188.4 + 260 = 448.4 cm
- 25) a) 5 2 = 3 unit length

b)



26) Left to the pupil.

12 Damietta Governorate – Official Language Schools

- 1. 1) 1
- 2) ∉
- 3) x 5
- 6) zero
- base × height
 distributive
- 8) 12
- 10) 55 11) 31.5
- 12) 4

4)4

9) 18

- 13) 2
- 14) 16
- 16) commutative
- 17) associative
- 18) y + 3
- 19) reflection

20) 3

2. 15) 16

- 21) 2400 22) 8
- $3.23)2 \times 5 \times 347$

(commutative)

(associative)

- $= (2 \times 5) \times 347$
- $= 10 \times 347 = 3470$
- 24) x = 12 3, x = 9
- 25) 10 × 3.14 = 31.4 cm
- 26) Left to the pupil.
- Sharkia Governorate Diarb Negm Educational Zone El Sweedy Gov. Lang. School
- 1. 1) ∉
- 2) {2}
- 3) 2
- 4) 3 L

5) 16

8) 5

- 6) 1
- 9) 18
 - 10) 70
- 11) 3.5

12) 84

2. 15) 1

- 13) 25
 - 5 14) 20
 - 16) an even 17) 32
- 18)x + 3
- 19) 5
- 20) 5

translation

- 21) commutative
- 22) quarter
- 3. 23) 8 × 125 × 73
- (commutative)
- = (8 × 125) × 73
- (associative)
- = 1000 × 73 = 73000

28

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

24)
$$3x = 8 - 2$$
, $3x = 6$, $x = \frac{6}{3} = 2$

- 25) The area of the rhombus $=\frac{1}{2} \times 6 \times 8 = 24 \text{ cm}^2$, the area of the square = $\frac{1}{2} \times 8 \times 8 = 32 \text{ cm}^2$ then the area of the square is greater than the area of the rhombus.
- 26) Left to the pupil.

14 Port Said Governorate - Educational Directorate - Maths Inspectorate

- 1. 1) reflection 2) {0, 1} 3) A itself

6) 5 x

4) 4

7) 22

- 5) 18 8) 30-
- 2. 9) ∈
- 10) Ø
- 11)2x+3 12) <

- 13) 96 14) 6
- 15) 30
- 16) 2
- 17) 20 x 18) 40
- 19) $\frac{1}{2}$
- 20) 0

- 21) 5
- 22) 0
- 3. 23) 4x = 33 + 7, 4x = 40, $x = \frac{40}{4} = 10$ cm
 - 24) 14 × = 44 cm
 - 25) 53 + 47 + 76 + 24

(commutative)

- = (53 + 47) + (76 + 24)
- (associative)
- = 100 + 100 = 200
- 26) Left to the pupil.

Ismailia Governorate - Directorate of Educational Al- Manar Language School

- 1. 1) ⊂
- 2) 18
- 3) {0}
- 4)2
- 8) 60

- 9) 7
- 10) 5
- 11)8
- 12) 13.5

- 13) 3 L
- 14) {2}
 - 16) 21
- 17) 18 x

- 18) 4
- 19) zero
- 20) reflection

21) one

2. 15) an even

- 22) 2
- 3. 23) $\frac{1}{2} \times 10 \times 3.14 + 10 + 10$
 - = 15.7 + 20 = 35.7 cm
 - 24) $37 \times (100 + 1)$

- $= 37 \times 100 + 37 \times 1$
- = 3700 + 37 = 3737
- **25)** 2x = 13 3, 2x = 10, $x = \frac{10}{2} = 5$
- 26) Left to the pupil.

Suez Governorate - Directorate of Educational 16 Mathematics Inspectorate

- 1.1)0
- 2) 88

3) 0

8)8

4) 7

5) 64

9) C

6) 75

14) 4

10) { 2 }

- 7) C 11) <
- 12) €

- 13) 4
- 2. 15) 55 , 40 16) 5 x
- 17) A itself 18) 0, 1
 - 20) 32, 40
- 19) commutative 21) 0 . 1

- 22) 4.8 cm
- 3. a) The area of the rhombus
 - $=\frac{1}{2} \times 6 \times 8 = 24$ cm²
 - , the area of the square
 - $=\frac{1}{2} \times 8 \times 8 = 32 \text{ cm}^2$.

then the area of the square > the area of the rhombus

- b) Left to the pupil.
- 4. a) 1) (a + b c) x (a + b)
 - $= (4 + 3 0) \times (4 + 3) = 49$
 - $2)45 \times (100 1)$
 - $= 45 \times 100 45 \times 1$
 - = 4500 45 = 4455
 - b) Left to the pupil.

(17) South Sinai Governorate - Mathes Supervision

- 1. 1) ∈
- 2) Ø
- 3)8

5) 0

9) 44

- 6) 3x + 510) <
 - 7) © 11)x + 8
- 12) commutative
- - 13) 20 x 14) 100

4) 96

8) 4

- 2. 15) 9
- 16) 81
- 17) 18 cm²

18) zero

19) A itself 20) 3 L

21) {0,1,2,3,4}

22) 5 x

3. 23) $2 \times 5 \times 347$

(commutative)

 $= (2 \times 5) \times 347$

(associative)

 $= 10 \times 347 = 3470$

24) x + 6 = 26

25) $\frac{1}{2} \times 12 \times 5 = 30 \text{ cm}^2$

26) Left to the pupil.

18 El-wadi Al Gadeed Governorate - El-Kharga Educational Directorate

- 1. 1) ∉
- 2) 18
- 3) even
- 4) 4

8)3

- 5) C
- 6) 96
- 10) 3 x

7) 16

11) N > M

12) 88

9) commutative

- 13) 0
- 14) (1,4)
- 2. 15) 96
- 16) 32
- 17)3 + 2x

- 18) 14
- 19) A itself 20) 1

- 21) 5
- 22) 50 cm²

3. 23)
$$2x = 21 - 9$$
, $2x = 12$, $x = \frac{12}{2} = 6$ S.S = {6}

24) The area of \triangle ABC = $\frac{1}{2} \times 8 \times 6$ = 24 cm²

. AD =
$$\frac{24 \times 2}{10} = \frac{48}{10} = 4.8 \text{ cm}$$

26) Left to the pupil.

25) $45 \times 10 + 45 \times 2$

19 Fayoum Governorate - Maths Supervision

- 1.1) Ø
- 2) {2,3}
- 3) ∉
- 4) C

- 5) 4 x
- 6) 2 m r

10) 15

7) 30

11) 11

8) 48 12) 60

- 9) 50 13) =
- 14) (2,2)
- 2. 15) an even
- 16) 19
- 17) 1
- 18) 10 x
- 19) Histogram, frequency polygon

- 21) A (7, 2), B (2, 2) 20) 2
- 22) 5 unit length
- 3. 23) a) 25 × 4 × 37

(commutative)

 $= (25 \times 4) \times 37$

(associative)

 $= 100 \times 37 = 3700$

b) $35 \times (118 - 18)$

(distributive)

 $= 35 \times 100 = 3500$

24) 2x = 21 - 9, 2x = 12, $x = \frac{12}{2} = 6$

25) $2 \times \frac{22}{7} \times 14 = 88 \text{ cm}$

26) The drawing is left to the pupil.

A (1, 10), B (1, 6), C (4, 6)

Beni Suef Governorate - Directorate of Education - Directorate of Official Lang. Schools

- 1.1)0
- 2) 30
- 3) ∈
- 4) A < B

5) 2

- 6)0
- 7) translation

8) 12 11) $\frac{1}{3}$

- 9) histogram 12) 24
 - 13) 19
- 14) 44

10) 18

2. 15) 3

- 16) 0
- 17) 37

18) base length × corresponding height

19) 1

20) an even

21) reflection

22) 11

3. 23)
$$2x = 15 - 3$$
, $2x = 12$, $x = \frac{12}{2} = 6$

24) 872 + 128 + 199 + 801

(commutative)

(associative)

= (872 + 128) + (199 + 801)

= 1000 + 1000 = 2000

25) $10 \times 3.14 = 31.4$ cm

26) Left to the pupil.

Minia Governorate - Kafr Elmansorah Formal Language 21 **Primary School**

- 1. 1) ∈
- 2) 0
- 3) 20 x
- 4)8

- 5) 18
- 6) M < N

10) odd

7)4

11) >

12) 75

8)8

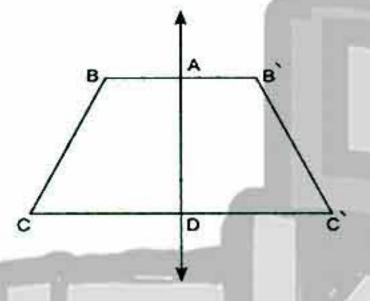
- 9) 1 13) C
- 14) 3 L

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- 2. 15) 5 x
- 16) an even 17) 96
- 18) 35, 45
- 19) 100
- 20)x + 8
- 21) {0,1,2,3,4}
- 22) Counting numbers.
- 3. 23) $8 \times 125 \times 49$

(commutative)

- $= (8 \times 125) \times 49$
- (associative)
- $= 1000 \times 49 = 49000$
- 24) a) $\frac{1}{2} \times 6 \times 8 = 24 \text{ cm}^2$
 - **b)** AD = $\frac{2 \times 24}{10}$ = 4.8 cm
- 25) a)



- b) 4 units of length
- Assuit Governorate Administration of Governmental 22 Language Schools
- 1. 1) ⊂
- 2) 0
- 3) x 5
- 4) 220

- 5) 1
- 6) 3
- 7) 24
- 8) N

- 9) 16
- 10) 6
- 11) 96
- 12) 8

- 13) 4
- 14) 64
- 2. 15) bar graph
- 16) 22, 25
- 17) reflection
- 18) an even

- 19) 4
- 20) 20 x 21) 2
- 22) 28

- 3. 23) 8 × 125 × 17
- (commutative)
- $= (8 \times 125) \times 17$
- (associative)
- $= 1000 \times 17 = 17000$
- 24) The area of the rhombus = $\frac{1}{2} \times 6 \times 8 = 24$ cm²
 - , The area of the square
 - $=\frac{1}{2} \times 8 \times 8 = 32 \text{ cm}^2$

The area of the square > area of the rhombus

- 25) x = 33 + 7, x = 40
- 26) Left to the pupil.
- (23) Qena Governorate - Deshna Educational zone
- 1. 1) 1
- 2) 7
- 3) 2
- 4) x 7
- 5) 20 cm² 6) 1
- 7) 25
- 8) 2

- 9) 32
- 10) 1
- 11) 96
- 12) C

- 13) reflection
- 14) commutative
- 2. 15) 19
- 16) 2
- 17) 12

- 18) 44
- 19) base length x its height
- 20) 0
- 21) 2
- 22) 0

- 23) 1
- 24) 33
- 3. 25) The area of rhombus = $10 \times 6 = 60 \text{ cm}^2$
 - 26) $2 \times 48 \times 5 = (2 \times 5) \times 48$

$$= 10 \times 48 = 480$$

27) The circumference of the circle

$$= 2\pi r = 7 \times \frac{22}{7} = 22 \text{ cm}$$

28) $2x + 9 = 21, x \in \mathbb{N}$

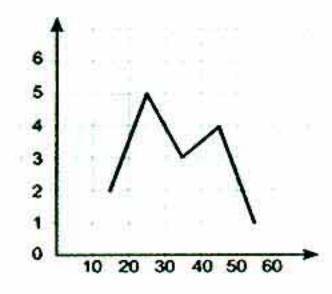
$$2x + 9 - 9 = 21 - 9$$

$$2x = 12$$

$$\frac{2x}{2} = \frac{12}{2}$$

Then
$$x = 6$$

- 29) A (2, 3), B (3, 1), C (5, 2)
- 30) The frequency polygon of distribution



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| 24 | Sohag Governorate - | Maths Supervision |

- 1. 1) 1
- 2) €
- 3) 44
- 6) 3
- 7) 2
- 9) 18

- 10) 20
- 11) 9
- 12) 2 x 5

4) 1

8) 24

- 13) reflection
- 14) 4
- 2. 15) commutative
 - 16) base length x its corresponding height
 - 17) 4
- 18) 4
- 19) π
- 20) Ø
- 21) 213
- 22) ∉

- 3. 23) 5 x = 8 + 2, 5 x = 10, $x = \frac{10}{5} = 2$
 - 24) 5 × 2 × 37

(commutative)

$$= (5 \times 2) \times 37$$

(associative)

$$= 10 \times 37 = 370$$

25)
$$5 \times 3 = 15 \text{ cm}^2$$

26)
$$\frac{1}{2} \times \frac{14}{14} \times \frac{22}{7} + 18 + 18$$

27) Left to the pupil.

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